

Pham 224256

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| 1: NoShaw_16 | 30 | 50 | 80 | 110 | 140 | 170 | 200 | 230 | 260 | 290 | 320 | 350 | 380 | 410 | 440 | 470 | 500 | 530 | 560 | 590 | 620 | 650 | 680 | 710 | 740 | 770 | 800 | 830 | 860 | 890 | 920 | 950 | 980 | 1010 | 1040 | 1070 | 1100 | 1130 | 1160 | 1190 | 1220 | 1250 | 1280 | 1310 | 1340 | 1370 | 1400 | 1430 | 1460 | 1490 | 1520 | 1550 | 1580 | 1610 | 1640 | 1670 | 1700 | 1730 | 1760 | 1790 | 1820 | 1850 | 1880 | 1910 | 1940 | 1970 | 2000 | 2030 | 2060 | 2090 | 2120 | 2150 | 2180 | 2210 | 2240 | 2270 | 2300 | 2330 | 2360 | 2390 | 2420 | 2450 | 2480 | 2510 | 2540 | 2570 | 2600 | 2630 | 2660 | 2690 | 2720 | 2750 | 2780 | 2810 | 2840 | 2870 | 2900 | 2930 | 2960 | 2990 | 3020 | 3050 | 3080 | 3110 | 3140 | 3170 | 3200 | 3230 | 3260 | 3290 | 3320 | 3350 | 3380 | 3410 | 3440 | 3470 | 3500 | 3530 | 3560 | 3590 | 3620 | 3650 | 3680 | 3710 | 3740 | 3770 | 3800 | 3830 | 3860 | 3890 | 3920 | 3950 | 3980 | 4010 | 4040 | 4070 | 4100 | 4130 | 4160 | 4190 | 4220 | 4250 | 4280 | 4310 | 4340 | 4370 | 4400 | 4430 | 4460 | 4490 | 4520 | 4550 | 4580 | 4610 | 4640 | 4670 | 4700 | 4730 | 4760 | 4790 | 4820 | 4850 | 4880 | 4910 | 4940 | 4970 | 5000 | 5030 | 5060 | 5090 | 5120 | 5150 | 5180 | 5210 | 5240 | 5270 | 5300 | 5330 | 5360 | 5390 | 5420 | 5450 | 5480 | 5510 | 5540 | 5570 | 5600 | 5630 | 5660 | 5690 | 5720 | 5750 | 5780 | 5810 | 5840 | 5870 | 5900 | 5930 | 5960 | 5990 | 6020 | 6050 | 6080 | 6110 | 6140 | 6170 | 6200 | 6230 | 6260 | 6290 | 6320 | 6350 | 6380 | 6410 | 6440 | 6470 | 6500 | 6530 | 6560 | 6590 | 6620 | 6650 | 6680 | 6710 | 6740 | 6770 | 6800 | 6830 | 6860 | 6890 | 6920 | 6950 | 6980 | 7010 | 7040 | 7070 | 7100 | 7130 | 7160 | 7190 | 7220 | 7250 | 7280 | 7310 | 7340 | 7370 | 7400 | 7430 | 7460 | 7490 | 7520 | 7550 | 7580 | 7610 | 7640 | 7670 | 7700 | 7730 | 7760 | 7790 | 7820 | 7850 | 7880 | 7910 | 7940 | 7970 | 8000 | 8030 | 8060 | 8090 | 8120 | 8150 | 8180 | 8210 | 8240 | 8270 | 8300 | 8330 | 8360 | 8390 | 8420 | 8450 | 8480 | 8510 | 8540 | 8570 | 8600 | 8630 | 8660 | 8690 | 8720 | 8750 | 8780 | 8810 | 8840 | 8870 | 8900 | 8930 | 8960 | 8990 | 9020 | 9050 | 9080 | 9110 | 9140 | 9170 | 9200 | 9230 | 9260 | 9290 | 9320 | 9350 | 9380 | 9410 | 9440 | 9470 | 9500 | 9530 | 9560 | 9590 | 9620 | 9650 | 9680 | 9710 | 9740 | 9770 | 9800 | 9830 | 9860 | 9890 | 9920 | 9950 | 9980 | 10010 | 10040 | 10070 | 10100 | 10130 | 10160 | 10190 | 10220 | 10250 | 10280 | 10310 | 10340 | 10370 | 10400 | 10430 | 10460 | 10490 | 10520 | 10550 | 10580 | 10610 | 10640 | 10670 | 10700 | 10730 | 10760 | 10790 | 10820 | 10850 | 10880 | 10910 | 10940 | 10970 | 11000 | 11030 | 11060 | 11090 | 11120 | 11150 | 11180 | 11210 | 11240 | 11270 | 11300 | 11330 | 11360 | 11390 | 11420 | 11450 | 11480 | 11510 | 11540 | 11570 | 11600 | 11630 | 11660 | 11690 | 11720 | 11750 | 11780 | 11810 | 11840 | 11870 | 11900 | 11930 | 11960 | 11990 | 12020 | 12050 | 12080 | 12110 | 12140 | 12170 | 12200 | 12230 | 12260 | 12290 | 12320 | 12350 | 12380 | 12410 | 12440 | 12470 | 12500 | 12530 | 12560 | 12590 | 12620 | 12650 | 12680 | 12710 | 12740 | 12770 | 12800 | 12830 | 12860 | 12890 | 12920 | 12950 | 12980 | 13010 | 13040 | 13070 | 13100 | 13130 | 13160 | 13190 | 13220 | 13250 | 13280 | 13310 | 13340 | 13370 | 13400 | 13430 | 13460 | 13490 | 13520 | 13550 | 13580 | 13610 | 13640 | 13670 | 13700 | 13730 | 13760 | 13790 | 13820 | 13850 | 13880 | 13910 | 13940 | 13970 | 14000 | 14030 | 14060 | 14090 | 14120 | 14150 | 14180 | 14210 | 14240 | 14270 | 14300 | 14330 | 14360 | 14390 | 14420 | 14450 | 14480 | 14510 | 14540 | 14570 | 14600 | 14630 | 14660 | 14690 | 14720 | 14750 | 14780 | 14810 | 14840 | 14870 | 14900 | 14930 | 14960 | 14990 | 15020 | 15050 | 15080 | 15110 | 15140 | 15170 | 15200 | 15230 | 15260 | 15290 | 15320 | 15350 | 15380 | 15410 | 15440 | 15470 | 15500 | 15530 | 15560 | 15590 | 15620 | 15650 | 15680 | 15710 | 15740 | 15770 | 15800 | 15830 | 15860 | 15890 | 15920 | 15950 | 15980 | 16010 | 16040 | 16070 | 16100 | 16130 | 16160 | 16190 | 16220 | 16250 | 16280 | 16310 | 16340 | 16370 | 16400 | 16430 | 16460 | 16490 | 16520 | 16550 | 16580 | 16610 | 16640 | 16670 | 16700 | 16730 | 16760 | 16790 | 16820 | 16850 | 16880 | 16910 | 16940 | 16970 | 17000 | 17030 | 17060 | 17090 | 17120 | 17150 | 17180 | 17210 | 17240 | 17270 | 17300 | 17330 | 17360 | 17390 | 17420 | 17450 | 17480 | 17510 | 17540 | 17570 | 17600 | 17630 | 17660 | 17690 | 17720 | 17750 | 17780 | 17810 | 17840 | 17870 | 17900 | 17930 | 17960 | 17990 | 18020 | 18050 | 18080 | 18110 | 18140 | 18170 | 18200 | 18230 | 18260 | 18290 | 18320 | 18350 | 18380 | 18410 | 18440 | 18470 | 18500 | 18530 | 18560 | 18590 | 18620 | 18650 | 18680 | 18710 | 18740 | 18770 | 18800 | 18830 | 18860 | 18890 | 18920 | 18950 | 18980 | 19010 | 19040 | 19070 | 19100 | 19130 | 19160 | 19190 | 19220 | 19250 | 19280 | 19310 | 19340 | 19370 | 19400 | 19430 | 19460 | 19490 | 19520 | 19550 | 19580 | 19610 | 19640 | 19670 | 19700 | 19730 | 19760 | 19790 | 19820 | 19850 | 19880 | 19910 | 19940 | 19970 | 20000 | 20030 | 20060 | 20090 | 20120 | 20150 | 20180 | 20210 | 20240 | 20270 | 20300 | 20330 | 20360 | 20390 | 20420 | 20450 | 20480 | 20510 | 20540 | 20570 | 20600 | 20630 | 20660 | 20690 | 20720 | 20750 | 20780 | 20810 | 20840 | 20870 | 20900 | 20930 | 20960 | 20990 | 21020 | 21050 | 21080 | 21110 | 21140 | 21170 | 21200 | 21230 | 21260 | 21290 | 21320 | 21350 | 21380 | 21410 | 21440 | 21470 | 21500 | 21530 | 21560 | 21590 | 21620 | 21650 | 21680 | 21710 | 21740 | 21770 | 21800 | 21830 | 21860 | 21890 | 21920 | 21950 | 21980 | 22010 | 22040 | 22070 | 22100 | 22130 | 22160 | 22190 | 22220 | 22250 | 22280 | 22310 | 22340 | 22370 | 22400 | 22430 | 22460 | 22490 | 22520 | 22550 | 22580 | 22610 | 22640 | 22670 | 22700 | 22730 | 22760 | 22790 | 22820 | 22850 | 22880 | 22910 | 22940 | 22970 | 23000 | 23030 | 23060 | 23090 | 23120 | 23150 | 23180 | 23210 | 23240 | 23270 | 23300 | 23330 | 23360 | 23390 | 23420 | 23450 | 23480 | 23510 | 23540 | 23570 | 23600 | 23630 | 23660 | 23690 | 23720 | 23750 | 23780 | 23810 | 23840 | 23870 | 23900 | 23930 | 23960 | 23990 | 24020 | 24050 | 24080 | 24110 | 24140 | 24170 | 24200 | 24230 | 24260 | 24290 | 24320 | 24350 | 24380 | 24410 | 24440 | 24470 | 24500 | 24530 | 24560 | 24590 | 24620 | 24650 | 24680 | 24710 | 24740 | 24770 | 24800 | 24830 | 24860 | 24890 | 24920 | 24950 | 24980 | 25010 | 25040 | 25070 | 25100 | 25130 | 25160 | 25190 | 25220 | 25250 | 25280 | 25310 | 25340 | 25370 | 25400 | 25430 | 25460 | 25490 | 25520 | 25550 | 25580 | 25610 | 25640 | 25670 | 25700 | 25730 | 25760 | 25790 | 25820 | 25850 | 25880 | 25910 | 25940 | 25970 | 26000 | 26030 | 26060 | 26090 | 26120 | 26150 | 26180 | 26210 | 26240 | 26270 | 26300 | 26330 | 26360 | 26390 | 26420 | 26450 | 26480 | 26510 | 26540 | 26570 | 26600 | 26630 | 26660 | 26690 | 26720 | 26750 | 26780 | 26810 | 26840 | 26870 | 26900 | 26930 | 26960 | 26990 | 27020 | 27050 | 27080 | 27110 | 27140 | 27170 | 27200 | 27230 | 27260 | 27290 | 27320 | 27350 | 27380 | 27410 | 27440 | 27470 | 27500 | 27530 | 27560 | 27590 | 27620 | 27650 | 27680 | 27710 | 27740 | 27770 | 27800 | 27830 | 27860 | 27890 | 27920 | 27950 | 27980 | 28010 | 28040 | 28070 | 28100 | 28130 | 28160 | 28190 | 28220 | 28250 | 28280 | 28310 | 28340 | 28370 | 28400 | 28430 | 28460 | 28490 | 28520 | 28550 | 28580 | 28610 | 28640 | 28670 | 28700 | 28730 | 28760 | 28790 | 28820 | 28850 | 28880 | 28910 | 28940 | 28970 | 29000 | 29030 | 29060 | 29090 | 29120 | 29150 | 29180 | 29210 | 29240 | 29270 | 29300 | 29330 | 29360 | 29390 | 29420 | 29450 | 29480 | 29510 | 29540 | 29570 | 29600 | 29630 | 29660 | 29690 | 29720 | 29750 | 29780 | 29810 | 29840 | 29870 | 29900 | 29930 | 29960 | 29990 |
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|---------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 51: MacKa | 14 | 23 | 29 | 56 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 |
| 52: TimBug | 14 | 23 | 29 | 56 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 |
| 53: DrHayes | 26 | + | 2 | 66 | 105 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | |
| 54: KISI_20 | 14 | 23 | 29 | 56 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 |
| 55: Chris_3 | 14 | 23 | 29 | 56 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 |
| 56: Efra2 | 14 | 23 | 29 | 56 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 |
| 57: LastHop | 14 | 23 | 29 | 56 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 |
| 58: Homura | 14 | 23 | 29 | 56 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 |
| 59: QuincyR | 14 | 23 | 29 | 56 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 |
| 60: Ganymed | 14 | 23 | 29 | 56 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 |
| 61: Megs9 | 14 | 23 | 29 | 56 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 |
| 62: TingHua | 14 | 23 | 29 | 56 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 |
| 63: Liorens | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 64: Mulasa | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 65: Zoel7 | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 66: Doughn | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 67: Mmy_17 | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 68: BoostSep | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 69: Strobilo | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 70: Dismal | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 71: Findley | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 72: Negny | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 73: MathCh | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 74: TBond | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 75: Pharb | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 76: Keshu | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 77: Hurricane | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 78: TripleH | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 79: Lea83 | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 80: Pixie_20 | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 81: Paola | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 82: Collard | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 83: Thyatra | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 84: Miryou | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 85: Kratio | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 86: Psycho | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 87: Dadosky | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 88: Feyre | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 89: AileyCat | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 90: OkRoe | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 91: SoSep | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 92: Eduard | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 93: Phelps | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 94: Hammy | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 95: Krueger | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 96: Syra333 | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 97: Novem | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 98: Amgine | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 99: Cain_20 | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |
| 100: Shadow | 31 | 61 | 90 | 103 | 133 | 144 | 166 | 177 | 239 | 244 | 280 | 351 | 385 | 416 | 420 | 460 | 471 | 489 | 512 | 526 | 530 | 540 | 551 | 559 | 592 | 604 | | |

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 224256 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224256 has 252 members, 24 are drafts.

Phages represented in each track:

- Track 1 : NoShow_16
- Track 2 : PinkYoshi_16, Darionha_16, CLED96_16, Frosty24_16, ShaboiShabazz_16, Crespo_16, LouisV14_16, Jolene_16, Periodt_16, BQuat_16, Jane_16, Zombie_16, CassieYates_16, Camri_16, Angel_16, Halo_16, OctaviousRex_16, DMoney_16, ECartman_16, Kasen3_16, Sweets_16, Wendigo_16, Remy19_16, Gomashi_16, BPs_16, ZoMa_16, Gideon_16, Peeb_16, JorRay_16, Coleslaw_16, Avrafan_16, Jonghyun_16, GoldenAsh_16, Cherrybomb426_16, Sizemore_16, Schiebel_16, Plagueis_16, Phreak_16, Olga_16, Aroostook_16, Barkley26_16, Phish_16, Hope_16, DNAIII_0016, Hotshotbaby7_16, Mowgli_16, Kareem_16, Chance64_16, BruceB_16, TinaBug_16, Marmie_16, Cedasite_16, Maliketh_16, TomBrady_16, Renaissance_16, Annihilator_16, AzulaCat_16
- Track 3 : Grizzly_16
- Track 4 : Taheera_16, Terror_16
- Track 5 : Rabbs_16, Sneeze_16
- Track 6 : Liefie_16
- Track 7 : Cambiare_17
- Track 8 : MOOREtheMARYer_16
- Track 9 : Pinnie_17
- Track 10 : Lemuria_16
- Track 11 : Jolie2_16
- Track 12 : Mercurio_17
- Track 13 : Antsirabe_16
- Track 14 : Stargaze_16
- Track 15 : Piatt_21, Durfee_21, BaghaKamala_21, JAWS_21, Boiii_21, Peel_21, Topper_21, Inky_21, Asayake_21, BGIlluviae_21, Capricorn_21, Jeckyll_21, CREW_21, Padfoot_21, Rosmarinus_21, Twitch_21, Blizzard_21, BEEST_21, BarrelRoll_21, Hyperbowlee_21, Jarvi_21, Spock_21, ShiaSurprise_21, Dalmuri_21, Lunahalos_21, CaseJules_21
- Track 16 : LilPharaoh_17, Mdavu_17, Nutello_17, Amelie_17, Teejan_17, SgtBeansprout_17, Enkosi_17, Torres_17, Binglebops_17
- Track 17 : Apocalypse_21
- Track 18 : AlishaPH_21, Emerson_21, Padpat_21
- Track 19 : Murucutumbu_21, Ageofdapage_21, Stinson_21, LaterM_21
- Track 20 : Slimphazie_21, Jayhawk_21, HedwigODU_21, ActinUp_21, Tachez_21, Zabiza_21, Atiba_21, Ramen_21, Adephagia_21, TruffulaTree_21, Rapunzel97_21
- Track 21 : Chavito_21

- Track 22 : CrimD_21
- Track 23 : Shaobing_21
- Track 24 : Bella96_21
- Track 25 : McMater_21, Peanam_21, Dartin_21, Niklas_21, Richo_21
- Track 26 : YoureAdopted_20
- Track 27 : Devera_21, Dole_21, Illumine_21
- Track 28 : Joy99_21, MeaningOfLife_21, Geraldini_21
- Track 29 : Mynx_21, Pokerus_20
- Track 30 : Prithvi_21, LindNT_21, TreyKay_21
- Track 31 : MarkPhew_21
- Track 32 : CheetoDust_21
- Track 33 : TaiwanKao_22
- Track 34 : Adonis_21
- Track 35 : Oscar_20
- Track 36 : Zavala_21
- Track 37 : Angelica_21, Deby_21, Sulley_21
- Track 38 : Tiri_21
- Track 39 : Anaya_22
- Track 40 : Guanica15_21, Yunkel11_21
- Track 41 : Validus_21
- Track 42 : Nibb_20
- Track 43 : Nikao_17
- Track 44 : Curiosium_22
- Track 45 : Beezoo_21
- Track 46 : CallaLilly_22
- Track 47 : LeMond_20
- Track 48 : Scarlett_20
- Track 49 : Veliki_21
- Track 50 : Bern_23
- Track 51 : MacKat_22, Clipper_23
- Track 52 : TiniBug_21
- Track 53 : DrHayes_21, Urkel_21, SamuelLPlaqson_21
- Track 54 : KiSi_20
- Track 55 : Chris_20
- Track 56 : Efra2_21
- Track 57 : LastHope_21
- Track 58 : Homura_21
- Track 59 : QuincyRose_20
- Track 60 : Ganymede_22
- Track 61 : Megsy_21
- Track 62 : TingHuaYa_21
- Track 63 : Llorens_21
- Track 64 : Mufasa_17
- Track 65 : ZoeJ_17
- Track 66 : Doughnut_17
- Track 67 : Milly_17
- Track 68 : BoostSeason_17
- Track 69 : Strobilo_17
- Track 70 : DismalFunk_17, Marcoliusprime_17, DismalStressor_17
- Track 71 : Findley_17
- Track 72 : Neighly_19, Larva_19
- Track 73 : MacnCheese_21
- Track 74 : TBond007_20

- Track 75 : Pharb_20
- Track 76 : Keshu_20
- Track 77 : Hurricane_20
- Track 78 : TribbleTrouble_19
- Track 79 : Lea83_21, ShedlockHolmes_20
- Track 80 : Pixie_20
- Track 81 : Paola_19, Gengar_19, Guillsminger_19, Leston_19
- Track 82 : Collard_19, InvictusManeo_19, ViviJ_18, Agent47_19
- Track 83 : Thyatira_19, Waterfoul_19
- Track 84 : Miryou_19
- Track 85 : Kratio_18
- Track 86 : Psycho_19
- Track 87 : Dadosky_19
- Track 88 : Feyre_19
- Track 89 : AlleyCat_19
- Track 90 : OkiRoe_19
- Track 91 : SoSeph_19, Heftyboy_19
- Track 92 : Edugator_18
- Track 93 : PhelpsODU_20, Unicorn_20
- Track 94 : Hammy_20, DarthP_20
- Track 95 : Krueger_20
- Track 96 : Syra333_20
- Track 97 : November_20
- Track 98 : Amgine_19
- Track 99 : Cain_20, Tierra_20, Bryler_20, Phrank_20
- Track 100 : Shadow1_19
- Track 101 : Amohnition_20
- Track 102 : TClif_20
- Track 103 : Yuna_21
- Track 104 : Ximenita_21
- Track 105 : Fefferhead_20
- Track 106 : SirPhilip_20
- Track 107 : Sunflower1121_19
- Track 108 : Marshawn_22
- Track 109 : Ekdilam_18
- Track 110 : Ellie_18
- Track 111 : Applecrisp_20
- Track 112 : Aminay_19

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 14, it was called in 161 of the 228 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• ActinUp_21, Adephegia_21, Adonis_21, Ageofdapage_21, AlishaPH_21, Amelie_17, Amgine_19, Aminay_19, Amohnition_20, Anaya_22, Angel_16, Angelica_21, Annihilator_16, Apocalypse_21, Applecrisp_20, Aroostook_16, Asayake_21, Atiba_21, Avrafan_16, AzulaCat_16, BEEST_21, BGlluviae_21, BPs_16, BQuat_16, BaghaKamala_21, Barkley26_16, BarrelRoll_21, Beezoo_21,

Bella96_21, Bern_23, Biglebops_17, Blizzard_21, Boiii_21, BruceB_16, CLED96_16, CREW_21, CallaLilly_22, Camri_16, Capricorn_21, CaseJules_21, CassieYates_16, Cedasite_16, Chance64_16, CheetoDust_21, Cherrybomb426_16, Clipper_23, Coleslaw_16, Crespo_16, CrimD_21, DMoney_16, DNAIII_0016, Dalmuri_21, Darionha_16, DarthP_20, Deby_21, Devera_21, Dole_21, DrHayes_21, Durfee_21, ECartman_16, Ekdilam_18, Ellie_18, Emerson_21, Enkosi_17, Fefferhead_20, Frosty24_16, Ganymede_22, Geraldini_21, Gideon_16, GoldenAsh_16, Gomashi_16, Grizzly_16, Halo_16, Hammy_20, HedwigODU_21, Homura_21, Hope_16, Hotshotbaby7_16, Hurricane_20, Hyperbowlee_21, Illumine_21, Inky_21, JAWS_21, Jane_16, Jarvi_21, Jayhawk_21, Jeckyll_21, Jolene_16, Jonghyun_16, JorRay_16, Joy99_21, Kareem_16, Kasen3_16, Keshu_20, LaterM_21, Lea83_21, Liefie_16, LilPharaoh_17, LindNT_21, Llorens_21, LouisV14_16, Lunahalos_21, MacKat_22, MacnCheese_21, Maliketh_16, Marmie_16, Mdavu_17, MeaningOfLife_21, Megsy_21, Mowgli_16, Murucutumbu_21, Mynx_21, Nikao_17, November_20, Nutello_17, OctaviousRex_16, Olga_16, Padfoot_21, Padpat_21, Peeb_16, Peel_21, Periodt_16, Pharb_20, Phish_16, Phreak_16, Piatt_21, PinkYoshi_16, Pixie_20, Plagueis_16, Pokerus_20, Prithvi_21, QuincyRose_20, Rabbs_16, Ramen_21, Rapunzel97_21, Remy19_16, Renaissance_16, Rosmarinus_21, SamuelLPlaqson_21, Schiebel_16, SgtBeansprout_17, ShaboiShabazz_16, ShedlockHolmes_20, ShiaSurprise_21, Sizemore_16, Slimphazie_21, Sneeze_16, Spock_21, Stinson_21, Sulley_21, Sweets_16, TBond007_20, Tachez_21, Taheera_16, TaiwanKao_22, Teejan_17, Terror_16, TinaBug_16, TiniBug_21, Tiri_21, TomBrady_16, Topper_21, Torres_17, TreyKay_21, TripleTrouble_19, TruffulaTree_21, Twitch_21, Urkel_21, Veliki_21, Wendigo_16, YoureAdopted_20, Zabiza_21, Zavala_21, ZoMa_16, Zombie_16,

Genes that have the "Most Annotated" start but do not call it:

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Genes that do not have the "Most Annotated" start:

- Agent47_19, AlleyCat_19, Antsirabe_16, BoostSeason_17, Bryler_20, Cain_20, Cambiare_17, Chavito_21, Chris_20, Collard_19, Curiosium_22, Dadosky_19, Dartin_21, DismalFunk_17, DismalStressor_17, Doughnut_17, Edugator_18, Efra2_21, Feyre_19, Findley_17, Gengar_19, Guanica15_21, Guillsminger_19, Heftyboy_19, InvictusManeo_19, Jolie2_16, KiSi_20, Kratio_18, Krueger_20, Larva_19, LastHope_21, LeMond_20, Lemuria_16, Leston_19, MOOREtheMARYer_16, Marcoliusprime_17, MarkPhew_21, Marshawn_22, McMater_21, Mercurio_17, Milly_17, Miryou_19, Mufasa_17, Neighly_19, Nibb_20, Niklas_21, NoShow_16, OkiRoe_19, Oscar_20, Paola_19, Peanam_21, PhelpsODU_20, Phrank_20, Pinnie_17, Psycho_19, Richo_21, Scarlett_20, Shadow1_19, Shaobing_21, SirPhilip_20, SoSeph_19, Stargaze_16, Strobilo_17, Sunflower1121_19, Syra333_20, TClif_20, Thyatira_19, Tierra_20, TingHuaYa_21, Unicorn_20, Validus_21, ViviJ_18, Waterfoul_19, Ximenita_21, Yuna_21, Yunkel11_21, ZoeJ_17,

Summary by start number:

Start 5:

- Found in 1 of 252 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 228
- Called 100.0% of time when present
- Phage (with cluster) where this start called: NoShow_16 (AB),

Start 11:

- Found in 2 of 252 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 228
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Psycho_19 (K5),

Start 13:

- Found in 32 of 252 (12.7%) of genes in pham
- Manual Annotations of this start: 28 of 228
- Called 96.9% of time when present
- Phage (with cluster) where this start called: Agent47_19 (K5), AlleyCat_19 (K5), BoostSeason_17 (K2), Collard_19 (K5), Dadosky_19 (K5), DismalFunk_17 (K2), DismalStressor_17 (K2), Doughnut_17 (K2), Edugator_18 (K5), Feyre_19 (K5), Findley_17 (K2), Gengar_19 (K5), Guillsminger_19 (K5), Heftyboy_19 (K5), InvictusManeo_19 (K5), Kratio_18 (K5), Larva_19 (K5), Leston_19 (K5), Marcoliusprime_17 (K2), Milly_17 (K2), Miryou_19 (K5), Mufasa_17 (K2), Neighly_19 (K3), OkiRoe_19 (K5), Paola_19 (K5), SoSeph_19 (K5), Strobilo_17 (K2), Thyatira_19 (K5), ViviJ_18 (K5), Waterfoul_19 (K5), ZoeJ_17 (K2),

Start 14:

- Found in 175 of 252 (69.4%) of genes in pham
- Manual Annotations of this start: 161 of 228
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ActinUp_21 (K1), Adephegia_21 (K1), Adonis_21 (K1), Ageofdapage_21 (K1), AlishaPH_21 (K1), Amelie_17 (K1), Amgine_19 (K6), Aminay_19 (K7), Amohnition_20 (K6), Anaya_22 (K1), Angel_16 (G1), Angelica_21 (K1), Annihilator_16 (G1), Apocalypse_21 (K1), Applecrisp_20 (K6), Aroostook_16 (G1), Asayake_21 (K1), Atiba_21 (K1), Avrafan_16 (G1), AzulaCat_16 (G1), BEEST_21 (K1), BGlluviae_21 (K1), BPs_16 (G1), BQuat_16 (G1), BaghaKamala_21 (K1), Barkley26_16 (G1), BarrelRoll_21 (K1), Beezoo_21 (K1), Bella96_21 (K1), Bern_23 (K1), Binglebops_17 (K1), Blizzard_21 (K1), Boiiii_21 (K1), BruceB_16 (G1), CLED96_16 (G1), CREW_21 (K1), CallaLilly_22 (K1), Camri_16 (G1), Capricorn_21 (K1), CaseJules_21 (K1), CassieYates_16 (G1), Cedasite_16 (G1), Chance64_16 (G1), CheetoDust_21 (K1), Cherrybomb426_16 (G1), Clipper_23 (K1), Coleslaw_16 (G1), Crespo_16 (G1), CrimD_21 (K1), DMoney_16 (G1), DNAIII_0016 (G1), Dalmuri_21 (K1), Darionha_16 (G1), DarthP_20 (K6), Deby_21 (K1), Devera_21 (K1), Dole_21 (K1), DrHayes_21 (K1), Durfee_21 (K1), ECartman_16 (G1), Ekdilam_18 (K6), Ellie_18 (K6), Emerson_21 (K1), Enkosi_17 (K1), Fefferhead_20 (K6), Frosty24_16 (G1), Ganymede_22 (K1), Geraldini_21 (K1), Gideon_16 (G1), GoldenAsh_16 (G1), Gomashi_16 (G1), Grizzly_16 (G1), Halo_16 (G1), Hammy_20 (K6), HedwigODU_21 (K1), Homura_21 (K1), Hope_16 (G1), Hotshotbaby7_16 (G1), Hurricane_20 (K3), Hyperbowlee_21 (K1), Illumine_21 (K1), Inky_21 (K1), JAWS_21 (K1), Jane_16 (G1), Jarvi_21 (K1), Jayhawk_21 (K1), Jeckyll_21 (K1), Jolene_16 (G1), Jonghyun_16 (G1), JorRay_16 (G1), Joy99_21 (K1), Kareem_16 (G1), Kasen3_16 (G1), Keshu_20 (K3), LaterM_21 (K1), Lea83_21 (K3), Liefie_16 (G1), LilPharaoh_17 (K1), LindNT_21 (K1), Llorens_21 (K1), LouisV14_16 (G1), Lunahalos_21 (K1), MacKat_22 (K1), MacnCheese_21 (K3), Maliketh_16 (G1), Marmie_16 (G1), Mdavu_17 (K1), MeaningOfLife_21 (K1), Megsy_21 (K1), Mowgli_16 (G1), Murucutumbu_21 (K1), Mynx_21 (K1), Nikao_17 (K1), November_20 (K6), Nutello_17 (K1), OctaviousRex_16 (G1), Olga_16 (G1), Padfoot_21 (K1), Padpat_21 (K1), Peeb_16 (G1), Peel_21 (K1), Periodt_16 (G1), Pharb_20 (K3), Phish_16 (G1), Phreak_16 (G1), Piatt_21 (K1), PinkYoshi_16 (G1), Pixie_20 (K3), Plagueis_16 (G1), Pokerus_20 (K1),

Prithvi_21 (K1), QuincyRose_20 (K1), Rabbs_16 (G1), Ramen_21 (K1), Rapunzel97_21 (K1), Remy19_16 (G1), Renaissance_16 (G1), Rosmarinus_21 (K1), SamuelLPlaqson_21 (K1), Schiebel_16 (G1), SgtBeansprout_17 (K1), ShaboiShabazz_16 (G1), ShedlockHolmes_20 (K3), ShiaSurprise_21 (K1), Sizemore_16 (G1), Slimphazie_21 (K1), Sneeze_16 (G1), Spock_21 (K1), Stinson_21 (K1), Sulley_21 (K1), Sweets_16 (G1), TBond007_20 (K3), Tachez_21 (K1), Taheera_16 (G1), TaiwanKao_22 (K1), Teejan_17 (K1), Terror_16 (G1), TinaBug_16 (G1), TiniBug_21 (K1), Tiri_21 (K1), TomBrady_16 (G1), Topper_21 (K1), Torres_17 (K1), TreyKay_21 (K1), TribbleTrouble_19 (K3), TruffulaTree_21 (K1), Twitch_21 (K1), Urkel_21 (K1), Veliki_21 (K1), Wendigo_16 (G1), YoureAdopted_20 (K1), Zabiza_21 (K1), Zavala_21 (K1), ZoMa_16 (G1), Zombie_16 (G1),

Start 15:

- Found in 44 of 252 (17.5%) of genes in pham
- Manual Annotations of this start: 37 of 228
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antsirabe_16 (G5), Bryler_20 (K6), Cain_20 (K6), Cambiare_17 (G2), Chavito_21 (K1), Chris_20 (K1), Curiosium_22 (K1), Dartin_21 (K1), Efra2_21 (K1), Guanica15_21 (K1), Jolie2_16 (G4), KiSi_20 (K1), Krueger_20 (K6), LastHope_21 (K1), LeMond_20 (K1), Lemuria_16 (G4), MOOREtheMARYer_16 (G3), MarkPhew_21 (K1), Marshawn_22 (K6), McMater_21 (K1), Mercurio_17 (G4), Nibb_20 (K1), Niklas_21 (K1), Oscar_20 (K1), Peanam_21 (K1), PhelpsODU_20 (K6), Phrank_20 (K6), Pinnie_17 (G3), Richo_21 (K1), Scarlett_20 (K1), Shadow1_19 (K6), Shaobing_21 (K1), SirPhilip_20 (K6), Stargaze_16 (G5), Sunflower1121_19 (K6), Syra333_20 (K6), TClif_20 (K6), Tierra_20 (K6), TingHuaYa_21 (K1), Unicorn_20 (K6), Validus_21 (K1), Ximenita_21 (K6), Yuna_21 (K6), Yunkel11_21 (K1),

Summary by clusters:

There are 12 clusters represented in this pham: G5, G4, G3, G2, G1, K3, K2, K1, AB, K7, K6, K5,

Info for manual annotations of cluster AB:

- Start number 5 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster G1:

- Start number 14 was manually annotated 59 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 15 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:

- Start number 15 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 15 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 15 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster K1:

- Start number 14 was manually annotated 86 times for cluster K1.

- Start number 15 was manually annotated 16 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 13 was manually annotated 9 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 14 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K5:

- Start number 11 was manually annotated 1 time for cluster K5.
- Start number 13 was manually annotated 19 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 14 was manually annotated 7 times for cluster K6.
- Start number 15 was manually annotated 15 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 14 was manually annotated 1 time for cluster K7.

Gene Information:

Gene: ActinUp_21 Start: 12079, Stop: 15918, Start Num: 14

Candidate Starts for ActinUp_21:

(Start: 14 @12079 has 161 MA's), (23, 12148), (29, 12235), (57, 12412), (63, 12439), (78, 12511), (79, 12523), (80, 12532), (90, 12604), (103, 12679), (122, 12763), (124, 12772), (127, 12793), (133, 12832), (144, 12910), (156, 12988), (168, 13078), (177, 13153), (191, 13246), (193, 13255), (195, 13267), (196, 13276), (244, 13537), (248, 13552), (254, 13585), (269, 13672), (275, 13696), (289, 13780), (299, 13864), (302, 13876), (306, 13897), (351, 14053), (385, 14134), (394, 14182), (397, 14200), (401, 14221), (405, 14257), (409, 14308), (420, 14365), (430, 14443), (432, 14452), (451, 14530), (460, 14587), (471, 14641), (499, 14881), (512, 14956), (526, 15067), (537, 15286), (539, 15298), (554, 15487), (555, 15496), (565, 15568), (573, 15598), (578, 15619), (592, 15739), (604, 15811), (606, 15829), (607, 15835),

Gene: Adephagia_21 Start: 12079, Stop: 15915, Start Num: 14

Candidate Starts for Adephagia_21:

(Start: 14 @12079 has 161 MA's), (23, 12148), (29, 12235), (57, 12412), (63, 12439), (78, 12511), (79, 12523), (80, 12532), (90, 12604), (103, 12679), (122, 12763), (124, 12772), (127, 12793), (133, 12832), (144, 12910), (156, 12988), (168, 13078), (177, 13153), (191, 13246), (193, 13255), (195, 13267), (196, 13276), (244, 13537), (248, 13552), (254, 13585), (269, 13672), (275, 13696), (289, 13780), (299, 13864), (302, 13876), (306, 13897), (351, 14053), (385, 14134), (394, 14182), (397, 14200), (401, 14221), (405, 14257), (409, 14308), (420, 14365), (430, 14443), (432, 14452), (451, 14530), (460, 14587), (471, 14641), (499, 14881), (512, 14956), (526, 15067), (537, 15286), (539, 15298), (554, 15484), (555, 15493), (565, 15565), (573, 15595), (578, 15616), (592, 15736), (604, 15808), (606, 15826), (607, 15832),

Gene: Adonis_21 Start: 12088, Stop: 15921, Start Num: 14

Candidate Starts for Adonis_21:

(3, 11869), (10, 12049), (Start: 14 @12088 has 161 MA's), (23, 12157), (29, 12244), (57, 12421), (63, 12448), (79, 12532), (80, 12541), (90, 12613), (103, 12688), (122, 12772), (124, 12781), (127, 12802), (133, 12841), (144, 12919), (156, 12997), (168, 13087), (177, 13162), (191, 13255), (193, 13264), (195, 13276), (196, 13285), (229, 13468), (239, 13522), (248, 13561), (254, 13594), (269, 13681),

(275, 13705), (289, 13789), (299, 13873), (302, 13885), (306, 13906), (351, 14062), (385, 14143), (394, 14191), (397, 14209), (401, 14230), (405, 14266), (409, 14317), (420, 14374), (430, 14452), (432, 14461), (451, 14539), (460, 14596), (471, 14650), (499, 14890), (512, 14965), (526, 15076), (537, 15295), (539, 15307), (554, 15490), (555, 15499), (573, 15601), (578, 15622), (592, 15742), (604, 15814), (606, 15832), (607, 15838),

Gene: Agent47_19 Start: 12236, Stop: 16342, Start Num: 13

Candidate Starts for Agent47_19:

(Start: 13 @12236 has 28 MA's), (24, 12329), (30, 12407), (32, 12431), (39, 12491), (59, 12575), (61, 12587), (80, 12689), (89, 12749), (90, 12761), (95, 12782), (103, 12836), (114, 12884), (124, 12929), (127, 12950), (144, 13067), (156, 13145), (159, 13169), (168, 13235), (177, 13310), (191, 13403), (196, 13433), (226, 13607), (229, 13616), (235, 13646), (239, 13670), (243, 13691), (255, 13751), (269, 13829), (271, 13838), (285, 13916), (294, 13982), (300, 14024), (302, 14033), (309, 14117), (316, 14138), (318, 14171), (325, 14237), (327, 14258), (334, 14312), (336, 14321), (340, 14339), (344, 14357), (345, 14366), (351, 14396), (356, 14432), (365, 14486), (373, 14522), (375, 14528), (377, 14546), (392, 14651), (402, 14717), (430, 14912), (437, 14942), (445, 14975), (456, 15026), (457, 15047), (461, 15062), (462, 15068), (473, 15152), (480, 15200), (486, 15239), (493, 15299), (494, 15332), (498, 15353), (503, 15377), (507, 15407), (520, 15473), (528, 15545), (546, 15860), (547, 15869), (548, 15872), (550, 15914), (554, 15941), (559, 15971), (565, 16022), (569, 16040), (584, 16106), (589, 16154), (592, 16178), (594, 16190), (608, 16271), (610, 16295), (615, 16334),

Gene: Ageofdapage_21 Start: 12015, Stop: 15848, Start Num: 14

Candidate Starts for Ageofdapage_21:

(Start: 14 @12015 has 161 MA's), (23, 12084), (29, 12171), (57, 12351), (63, 12378), (79, 12462), (80, 12471), (89, 12531), (90, 12543), (103, 12618), (113, 12660), (122, 12702), (124, 12711), (127, 12732), (133, 12771), (144, 12849), (156, 12927), (177, 13092), (191, 13185), (195, 13206), (196, 13215), (239, 13452), (244, 13476), (248, 13491), (254, 13524), (269, 13611), (289, 13719), (299, 13803), (302, 13815), (306, 13836), (315, 13917), (351, 13992), (385, 14073), (387, 14082), (394, 14121), (397, 14139), (401, 14160), (405, 14196), (409, 14247), (420, 14304), (430, 14382), (432, 14391), (451, 14469), (454, 14484), (460, 14526), (471, 14580), (499, 14820), (512, 14895), (526, 15006), (537, 15225), (546, 15339), (554, 15420), (555, 15429), (565, 15501), (573, 15531), (578, 15552), (592, 15669), (604, 15741), (607, 15765),

Gene: AlishaPH_21 Start: 12075, Stop: 15908, Start Num: 14

Candidate Starts for AlishaPH_21:

(Start: 14 @12075 has 161 MA's), (23, 12144), (29, 12231), (37, 12306), (57, 12408), (63, 12435), (78, 12507), (79, 12519), (80, 12528), (90, 12600), (103, 12675), (122, 12759), (124, 12768), (127, 12789), (133, 12828), (144, 12906), (156, 12984), (168, 13074), (177, 13149), (191, 13242), (193, 13251), (195, 13263), (196, 13272), (239, 13509), (248, 13548), (254, 13581), (269, 13668), (275, 13692), (289, 13776), (299, 13860), (302, 13872), (306, 13893), (351, 14049), (385, 14130), (394, 14178), (397, 14196), (401, 14217), (405, 14253), (409, 14304), (420, 14361), (430, 14439), (432, 14448), (451, 14526), (454, 14541), (460, 14583), (471, 14637), (499, 14877), (512, 14952), (526, 15063), (537, 15282), (539, 15294), (554, 15477), (555, 15486), (565, 15558), (573, 15588), (578, 15609), (592, 15729), (604, 15801), (606, 15819), (607, 15825),

Gene: AlleyCat_19 Start: 12112, Stop: 16224, Start Num: 13

Candidate Starts for AlleyCat_19:

(Start: 13 @12112 has 28 MA's), (24, 12205), (30, 12283), (32, 12307), (39, 12367), (59, 12451), (80, 12565), (89, 12625), (90, 12637), (95, 12658), (103, 12712), (114, 12760), (124, 12805), (127, 12826), (144, 12943), (156, 13021), (159, 13045), (165, 13087), (168, 13111), (177, 13186), (191, 13279), (196, 13309), (226, 13483), (235, 13522), (239, 13546), (243, 13567), (255, 13627), (269, 13705), (271, 13714), (285, 13792), (294, 13858), (300, 13900), (302, 13909), (309, 13993), (316, 14014), (318, 14047), (319, 14068), (325, 14113), (327, 14134), (334, 14188), (336, 14197), (340, 14215),

(345, 14242), (351, 14272), (356, 14308), (373, 14398), (375, 14404), (377, 14422), (392, 14527), (402, 14593), (430, 14788), (437, 14818), (445, 14851), (456, 14902), (457, 14923), (461, 14938), (462, 14944), (473, 15028), (480, 15076), (486, 15115), (493, 15175), (494, 15208), (498, 15229), (503, 15253), (507, 15283), (520, 15349), (528, 15421), (546, 15736), (547, 15745), (548, 15748), (549, 15775), (550, 15790), (552, 15805), (554, 15817), (559, 15847), (565, 15901), (569, 15919), (584, 15988), (589, 16036), (592, 16060), (594, 16072), (596, 16081), (608, 16153), (610, 16177), (615, 16216),

Gene: Amelie_17 Start: 11327, Stop: 15460, Start Num: 14

Candidate Starts for Amelie_17:

(10, 11288), (Start: 14 @11327 has 161 MA's), (23, 11396), (29, 11483), (37, 11561), (59, 11669), (63, 11690), (72, 11723), (90, 11855), (94, 11870), (95, 11876), (103, 11930), (110, 11960), (124, 12023), (127, 12044), (133, 12083), (144, 12161), (156, 12239), (159, 12263), (191, 12497), (209, 12578), (216, 12638), (224, 12695), (234, 12731), (239, 12764), (244, 12788), (257, 12854), (259, 12863), (269, 12923), (289, 13031), (294, 13076), (316, 13232), (326, 13343), (327, 13352), (328, 13364), (336, 13415), (340, 13433), (345, 13460), (351, 13490), (366, 13583), (375, 13622), (401, 13790), (406, 13844), (409, 13877), (419, 13922), (430, 14003), (431, 14006), (451, 14090), (453, 14096), (454, 14105), (460, 14147), (469, 14183), (471, 14201), (473, 14240), (481, 14300), (499, 14441), (510, 14501), (512, 14516), (539, 14858), (554, 15047), (555, 15056), (563, 15119), (607, 15395),

Gene: Amgine_19 Start: 11863, Stop: 16011, Start Num: 14

Candidate Starts for Amgine_19:

(Start: 14 @11863 has 161 MA's), (23, 11932), (37, 12094), (57, 12196), (59, 12202), (63, 12223), (89, 12376), (90, 12388), (103, 12463), (124, 12556), (127, 12577), (133, 12616), (144, 12694), (156, 12772), (159, 12796), (167, 12850), (168, 12862), (177, 12937), (191, 13030), (209, 13111), (217, 13174), (224, 13228), (231, 13249), (233, 13261), (239, 13297), (243, 13318), (250, 13345), (254, 13369), (258, 13390), (261, 13411), (269, 13456), (288, 13582), (294, 13630), (304, 13690), (305, 13696), (316, 13786), (326, 13897), (332, 13948), (333, 13954), (344, 14005), (351, 14044), (353, 14065), (375, 14176), (383, 14236), (388, 14269), (390, 14287), (394, 14305), (397, 14323), (400, 14335), (405, 14380), (409, 14431), (418, 14479), (430, 14557), (451, 14644), (453, 14650), (463, 14716), (464, 14719), (473, 14794), (482, 14860), (499, 14995), (510, 15055), (512, 15070), (514, 15076), (547, 15526), (554, 15598), (555, 15607), (567, 15694), (592, 15847), (607, 15946), (610, 15973), (611, 15985),

Gene: Aminay_19 Start: 11993, Stop: 16294, Start Num: 14

Candidate Starts for Aminay_19:

(Start: 14 @11993 has 161 MA's), (16, 12002), (22, 12041), (24, 12083), (29, 12149), (33, 12194), (53, 12308), (65, 12356), (76, 12395), (77, 12398), (79, 12434), (89, 12503), (90, 12515), (94, 12530), (95, 12536), (124, 12683), (127, 12704), (133, 12743), (134, 12746), (144, 12821), (151, 12866), (156, 12899), (159, 12923), (168, 12989), (169, 12992), (171, 13010), (173, 13019), (175, 13052), (179, 13076), (183, 13097), (202, 13214), (225, 13355), (226, 13358), (229, 13367), (239, 13421), (240, 13427), (247, 13457), (253, 13490), (258, 13514), (263, 13541), (269, 13580), (272, 13595), (274, 13601), (279, 13628), (285, 13688), (288, 13706), (293, 13736), (295, 13757), (302, 13805), (303, 13808), (304, 13814), (306, 13826), (314, 13904), (327, 14030), (337, 14099), (341, 14117), (347, 14150), (348, 14153), (352, 14180), (360, 14234), (370, 14288), (376, 14327), (378, 14348), (381, 14372), (386, 14420), (395, 14480), (396, 14489), (404, 14546), (406, 14579), (407, 14588), (413, 14630), (421, 14696), (430, 14777), (432, 14786), (473, 14993), (499, 15194), (512, 15269), (516, 15299), (532, 15485), (547, 15749), (550, 15794), (554, 15821), (569, 15947), (575, 15965), (577, 15986), (583, 16043), (584, 16046), (591, 16118), (608, 16220), (610, 16244), (615, 16283),

Gene: Amohnition_20 Start: 12196, Stop: 16386, Start Num: 14

Candidate Starts for Amohnition_20:

(9, 12151), (Start: 14 @12196 has 161 MA's), (23, 12265), (29, 12352), (37, 12427), (53, 12514), (54, 12517), (72, 12589), (79, 12640), (80, 12649), (89, 12709), (90, 12721), (95, 12742), (103, 12796), (110, 12826), (124, 12889), (127, 12910), (133, 12949), (144, 13027), (156, 13105), (159, 13129), (168, 13195), (176, 13261), (183, 13303), (187, 13342), (189, 13354), (195, 13384), (196, 13393), (217, 13507), (220, 13522), (229, 13576), (235, 13606), (239, 13630), (243, 13651), (253, 13699), (261, 13744), (262, 13747), (269, 13789), (274, 13810), (282, 13858), (288, 13915), (291, 13930), (295, 13966), (297, 13978), (304, 14023), (305, 14029), (316, 14119), (344, 14338), (351, 14377), (353, 14398), (369, 14485), (375, 14509), (378, 14536), (379, 14539), (383, 14569), (390, 14620), (397, 14656), (409, 14764), (430, 14899), (431, 14902), (447, 14968), (449, 14974), (456, 15013), (466, 15085), (468, 15091), (471, 15112), (478, 15196), (483, 15226), (487, 15247), (488, 15259), (496, 15340), (500, 15373), (502, 15382), (504, 15388), (510, 15430), (517, 15481), (518, 15487), (537, 15778), (546, 15892), (547, 15901), (548, 15904), (554, 15973), (578, 16108), (585, 16177), (592, 16225), (607, 16321), (611, 16360),

Gene: Anaya_22 Start: 12098, Stop: 15934, Start Num: 14

Candidate Starts for Anaya_22:

(Start: 14 @12098 has 161 MA's), (23, 12167), (29, 12254), (57, 12431), (63, 12458), (78, 12530), (79, 12542), (80, 12551), (90, 12623), (103, 12698), (110, 12728), (122, 12782), (124, 12791), (127, 12812), (133, 12851), (144, 12929), (150, 12971), (156, 13007), (159, 13031), (168, 13097), (177, 13172), (191, 13265), (193, 13274), (195, 13286), (196, 13295), (239, 13532), (244, 13556), (248, 13571), (254, 13604), (269, 13691), (275, 13715), (289, 13799), (299, 13883), (302, 13895), (306, 13916), (351, 14072), (385, 14153), (397, 14219), (401, 14240), (405, 14276), (409, 14327), (420, 14384), (430, 14462), (432, 14471), (451, 14549), (460, 14606), (471, 14660), (499, 14900), (512, 14975), (514, 14981), (526, 15086), (537, 15305), (554, 15503), (555, 15512), (573, 15614), (578, 15635), (586, 15710), (592, 15755), (604, 15827), (606, 15845), (607, 15851),

Gene: Angel_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Angel_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Angelica_21 Start: 12050, Stop: 15883, Start Num: 14

Candidate Starts for Angelica_21:

(Start: 14 @12050 has 161 MA's), (23, 12119), (29, 12206), (57, 12383), (63, 12410), (79, 12494), (80, 12503), (90, 12575), (103, 12650), (122, 12734), (124, 12743), (127, 12764), (133, 12803), (144, 12881), (156, 12959), (168, 13049), (177, 13124), (191, 13217), (195, 13238), (196, 13247), (239, 13484), (248, 13523), (254, 13556), (269, 13643), (275, 13667), (289, 13751), (299, 13835), (302, 13847), (306, 13868), (351, 14024), (385, 14105), (394, 14153), (397, 14171), (401, 14192), (405, 14228), (409, 14279), (420, 14336), (430, 14414), (432, 14423), (451, 14501), (454, 14516), (460, 14558), (471, 14612), (499, 14852), (512, 14927), (526, 15038), (537, 15257), (539, 15269), (554, 15452), (555, 15461), (573, 15563), (578, 15584), (592, 15704), (604, 15776), (606, 15794), (607, 15800),

Gene: Annihilator_16 Start: 11455, Stop: 15468, Start Num: 14

Candidate Starts for Annihilator_16:

(Start: 14 @11455 has 161 MA's), (33, 11656), (53, 11770), (63, 11812), (71, 11842), (90, 11977), (93, 11989), (95, 11998), (130, 12187), (133, 12205), (134, 12208), (136, 12229), (137, 12241), (148, 12313), (156, 12361), (174, 12493), (176, 12517), (187, 12598), (212, 12721), (223, 12805), (232, 12841), (239, 12886), (240, 12892), (261, 13000), (265, 13024), (269, 13045), (305, 13264), (321, 13414), (330, 13501), (350, 13609), (375, 13744), (390, 13855), (394, 13873), (400, 13903), (428, 14125), (435, 14149), (438, 14164), (442, 14185), (451, 14212), (456, 14239), (467, 14299), (474, 14389), (481, 14422), (492, 14485), (495, 14542), (499, 14575), (501, 14584), (548, 15088), (549, 15115), (552, 15145), (554, 15157), (555, 15166), (565, 15235), (584, 15316), (590, 15376), (593, 15394), (595, 15403),

Gene: Antsirabe_16 Start: 11833, Stop: 15810, Start Num: 15

Candidate Starts for Antsirabe_16:

(Start: 15 @11833 has 37 MA's), (25, 11926), (36, 12046), (45, 12109), (50, 12127), (64, 12190), (74, 12226), (82, 12298), (84, 12304), (88, 12331), (91, 12349), (98, 12394), (107, 12430), (111, 12445), (134, 12568), (138, 12610), (141, 12625), (147, 12661), (156, 12724), (158, 12745), (170, 12817), (173, 12835), (192, 12976), (198, 13018), (205, 13048), (206, 13051), (208, 13060), (210, 13069), (215, 13111), (228, 13183), (230, 13189), (233, 13204), (236, 13222), (237, 13225), (243, 13258), (250, 13285), (258, 13330), (269, 13393), (275, 13417), (277, 13429), (278, 13432), (296, 13561), (302, 13603), (303, 13606), (316, 13708), (321, 13768), (326, 13819), (338, 13903), (351, 13966), (360, 14023), (369, 14074), (373, 14092), (375, 14098), (381, 14149), (388, 14191), (402, 14287), (424, 14410), (427, 14428), (435, 14494), (438, 14509), (455, 14575), (465, 14629), (470, 14644), (474, 14725), (477, 14734), (492, 14827), (494, 14881), (495, 14884), (499, 14917), (511, 14992), (548, 15454), (549, 15481), (554, 15523), (565, 15610), (566, 15613), (570, 15631), (572, 15634), (590, 15718), (593, 15736),

Gene: Apocalypse_21 Start: 12053, Stop: 15886, Start Num: 14

Candidate Starts for Apocalypse_21:

(Start: 14 @12053 has 161 MA's), (23, 12122), (29, 12209), (57, 12386), (63, 12413), (79, 12497), (80, 12506), (90, 12578), (103, 12653), (122, 12737), (124, 12746), (127, 12767), (133, 12806), (144, 12884), (156, 12962), (159, 12986), (168, 13052), (177, 13127), (191, 13220), (193, 13229), (195, 13241), (196, 13250), (239, 13487), (248, 13526), (254, 13559), (269, 13646), (275, 13670), (289, 13754), (299, 13838), (302, 13850), (306, 13871), (351, 14027), (385, 14108), (389, 14132), (394, 14156), (397, 14174), (401, 14195), (405, 14231), (409, 14282), (420, 14339), (430, 14417), (432, 14426), (451, 14504), (454, 14519), (460, 14561), (471, 14615), (499, 14855), (512, 14930), (526, 15041), (537, 15260), (539, 15272), (554, 15455), (555, 15464), (565, 15536), (573, 15566), (578, 15587), (592, 15707), (604, 15779), (606, 15797), (607, 15803),

Gene: Applecrisp_20 Start: 12274, Stop: 16422, Start Num: 14

Candidate Starts for Applecrisp_20:

(Start: 14 @12274 has 161 MA's), (23, 12343), (37, 12505), (57, 12607), (59, 12613), (63, 12634), (89, 12787), (90, 12799), (103, 12874), (110, 12904), (124, 12967), (127, 12988), (133, 13027), (144, 13105), (156, 13183), (159, 13207), (168, 13273), (177, 13348), (191, 13441), (197, 13474), (209, 13522), (217, 13585), (224, 13639), (225, 13642), (231, 13660), (233, 13672), (243, 13729), (250, 13756), (254, 13780), (258, 13801), (261, 13822), (269, 13867), (294, 14041), (316, 14197), (327, 14317), (332, 14359), (333, 14365), (346, 14437), (351, 14455), (353, 14476), (375, 14587), (383, 14647), (388, 14680), (390, 14698), (394, 14716), (397, 14734), (400, 14746), (405, 14791), (409, 14842), (418, 14890), (430, 14968), (451, 15055), (453, 15061), (454, 15070), (463, 15127), (464, 15130), (473, 15205), (482, 15271), (499, 15406), (510, 15466), (512, 15481), (514, 15487), (547, 15937), (554, 16009), (555, 16018), (567, 16105), (592, 16258), (607, 16357), (610, 16384), (611, 16396),

Gene: Aroostook_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Aroostook_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Asayake_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Asayake_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: Atiba_21 Start: 12042, Stop: 15878, Start Num: 14

Candidate Starts for Atiba_21:

(Start: 14 @12042 has 161 MA's), (23, 12111), (29, 12198), (57, 12375), (63, 12402), (78, 12474), (79, 12486), (80, 12495), (90, 12567), (103, 12642), (122, 12726), (124, 12735), (127, 12756), (133, 12795), (144, 12873), (156, 12951), (168, 13041), (177, 13116), (191, 13209), (193, 13218), (195, 13230), (196, 13239), (244, 13500), (248, 13515), (254, 13548), (269, 13635), (275, 13659), (289, 13743), (299, 13827), (302, 13839), (306, 13860), (351, 14016), (385, 14097), (394, 14145), (397, 14163), (401, 14184), (405, 14220), (409, 14271), (420, 14328), (430, 14406), (432, 14415), (451, 14493), (460, 14550), (471, 14604), (499, 14844), (512, 14919), (526, 15030), (537, 15249), (539, 15261), (554, 15447), (555, 15456), (565, 15528), (573, 15558), (578, 15579), (592, 15699), (604, 15771), (606, 15789), (607, 15795),

Gene: Avrafan_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Avrafan_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: AzulaCat_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for AzulaCat_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428,

14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: BEEST_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for BEEST_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: BGIlluviae_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for BGIlluviae_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: BPs_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for BPs_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: BQuat_16 Start: 11455, Stop: 15468, Start Num: 14

Candidate Starts for BQuat_16:

(Start: 14 @11455 has 161 MA's), (33, 11656), (53, 11770), (63, 11812), (71, 11842), (90, 11977), (93, 11989), (95, 11998), (130, 12187), (133, 12205), (134, 12208), (136, 12229), (137, 12241), (148, 12313), (156, 12361), (174, 12493), (176, 12517), (187, 12598), (212, 12721), (223, 12805), (232, 12841), (239, 12886), (240, 12892), (261, 13000), (265, 13024), (269, 13045), (305, 13264), (321, 13414), (330, 13501), (350, 13609), (375, 13744), (390, 13855), (394, 13873), (400, 13903), (428, 14125), (435, 14149), (438, 14164), (442, 14185), (451, 14212), (456, 14239), (467, 14299), (474, 14389), (481, 14422), (492, 14485), (495, 14542), (499, 14575), (501, 14584), (548, 15088), (549, 15115), (552, 15145), (554, 15157), (555, 15166), (565, 15235), (584, 15316), (590, 15376), (593, 15394), (595, 15403),

Gene: BaghaKamala_21 Start: 12045, Stop: 15878, Start Num: 14

Candidate Starts for BaghaKamala_21:

(Start: 14 @12045 has 161 MA's), (23, 12114), (29, 12201), (37, 12276), (57, 12378), (63, 12405), (78, 12477), (79, 12489), (80, 12498), (90, 12570), (103, 12645), (122, 12729), (124, 12738), (127, 12759), (133, 12798), (137, 12834), (144, 12876), (156, 12954), (168, 13044), (177, 13119), (191, 13212), (193, 13221), (195, 13233), (196, 13242), (239, 13479), (248, 13518), (254, 13551), (269, 13638), (275, 13662), (289, 13746), (299, 13830), (302, 13842), (306, 13863), (351, 14019), (385, 14100), (394, 14148), (397, 14166), (401, 14187), (405, 14223), (409, 14274), (420, 14331), (430, 14409), (432, 14418), (451, 14496), (454, 14511), (460, 14553), (471, 14607), (499, 14847), (512, 14922), (526, 15033), (537, 15252), (539, 15264), (554, 15447), (555, 15456), (565, 15528), (573, 15558), (578, 15579), (592, 15699), (604, 15771), (606, 15789), (607, 15795),

Gene: Barkley26_16 Start: 11464, Stop: 15480, Start Num: 14

Candidate Starts for Barkley26_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15100), (549, 15127), (552, 15157), (554, 15169), (555, 15178), (565, 15247), (584, 15328), (590, 15388), (593, 15406), (595, 15415),

Gene: BarrelRoll_21 Start: 12068, Stop: 15901, Start Num: 14

Candidate Starts for BarrelRoll_21:

(Start: 14 @12068 has 161 MA's), (23, 12137), (29, 12224), (37, 12299), (57, 12401), (63, 12428), (78, 12500), (79, 12512), (80, 12521), (90, 12593), (103, 12668), (122, 12752), (124, 12761), (127, 12782), (133, 12821), (137, 12857), (144, 12899), (156, 12977), (168, 13067), (177, 13142), (191, 13235), (193, 13244), (195, 13256), (196, 13265), (239, 13502), (248, 13541), (254, 13574), (269, 13661), (275, 13685), (289, 13769), (299, 13853), (302, 13865), (306, 13886), (351, 14042), (385, 14123), (394, 14171), (397, 14189), (401, 14210), (405, 14246), (409, 14297), (420, 14354), (430, 14432), (432, 14441), (451, 14519), (454, 14534), (460, 14576), (471, 14630), (499, 14870), (512, 14945), (526, 15056), (537, 15275), (539, 15287), (554, 15470), (555, 15479), (565, 15551), (573, 15581), (578, 15602), (592, 15722), (604, 15794), (606, 15812), (607, 15818),

Gene: Beezoo_21 Start: 12092, Stop: 15925, Start Num: 14

Candidate Starts for Beezoo_21:

(Start: 14 @12092 has 161 MA's), (23, 12161), (24, 12182), (29, 12248), (57, 12425), (63, 12452), (78, 12524), (79, 12536), (80, 12545), (90, 12617), (103, 12692), (122, 12776), (124, 12785), (127, 12806), (133, 12845), (144, 12923), (156, 13001), (168, 13091), (177, 13166), (191, 13259), (193, 13268), (195, 13280), (196, 13289), (239, 13526), (248, 13565), (254, 13598), (269, 13685), (275, 13709), (289, 13793), (299, 13877), (302, 13889), (303, 13892), (306, 13910), (351, 14066), (385, 14147), (394, 14195), (397, 14213), (401, 14234), (405, 14270), (409, 14321), (420, 14378), (430, 14456), (432, 14465), (451, 14543), (454, 14558), (460, 14600), (471, 14654), (499, 14894), (512, 14969), (526, 15080), (537, 15299), (539, 15311), (554, 15494), (555, 15503), (573, 15605), (578, 15626), (592, 15746), (604, 15818), (606, 15836), (607, 15842),

Gene: Bella96_21 Start: 12006, Stop: 15845, Start Num: 14

Candidate Starts for Bella96_21:

(Start: 14 @12006 has 161 MA's), (23, 12075), (29, 12162), (57, 12342), (63, 12369), (79, 12453), (80, 12462), (89, 12522), (90, 12534), (103, 12609), (113, 12651), (122, 12693), (124, 12702), (127, 12723), (133, 12762), (134, 12765), (144, 12840), (156, 12918), (177, 13083), (191, 13176), (195,

13197), (196, 13206), (239, 13443), (244, 13467), (248, 13482), (254, 13515), (269, 13602), (285, 13689), (289, 13710), (299, 13794), (302, 13806), (306, 13827), (351, 13983), (385, 14064), (397, 14130), (401, 14151), (405, 14187), (409, 14238), (415, 14256), (420, 14295), (430, 14373), (432, 14382), (451, 14460), (454, 14475), (460, 14517), (471, 14571), (499, 14811), (512, 14886), (526, 14997), (528, 15018), (529, 15039), (535, 15159), (546, 15333), (554, 15414), (555, 15423), (565, 15495), (573, 15525), (578, 15546), (592, 15666), (604, 15738), (606, 15756), (607, 15762),

Gene: Bern_23 Start: 12034, Stop: 15873, Start Num: 14

Candidate Starts for Bern_23:

(Start: 14 @12034 has 161 MA's), (23, 12103), (29, 12190), (57, 12370), (63, 12397), (79, 12481), (89, 12550), (90, 12562), (103, 12637), (115, 12688), (124, 12730), (127, 12751), (133, 12790), (144, 12868), (156, 12946), (177, 13111), (191, 13204), (195, 13225), (196, 13234), (239, 13471), (244, 13495), (248, 13510), (254, 13543), (269, 13630), (285, 13717), (289, 13738), (299, 13822), (302, 13834), (305, 13849), (306, 13855), (385, 14092), (394, 14140), (397, 14158), (401, 14179), (405, 14215), (406, 14233), (409, 14266), (430, 14401), (432, 14410), (451, 14488), (454, 14503), (460, 14545), (471, 14599), (499, 14839), (512, 14914), (526, 15025), (528, 15046), (529, 15067), (535, 15187), (546, 15361), (554, 15442), (555, 15451), (565, 15523), (573, 15553), (578, 15574), (592, 15694), (604, 15766), (606, 15784), (607, 15790),

Gene: Biglebops_17 Start: 11327, Stop: 15460, Start Num: 14

Candidate Starts for Biglebops_17:

(10, 11288), (Start: 14 @11327 has 161 MA's), (23, 11396), (29, 11483), (37, 11561), (59, 11669), (63, 11690), (72, 11723), (90, 11855), (94, 11870), (95, 11876), (103, 11930), (110, 11960), (124, 12023), (127, 12044), (133, 12083), (144, 12161), (156, 12239), (159, 12263), (191, 12497), (209, 12578), (216, 12638), (224, 12695), (234, 12731), (239, 12764), (244, 12788), (257, 12854), (259, 12863), (269, 12923), (289, 13031), (294, 13076), (316, 13232), (326, 13343), (327, 13352), (328, 13364), (336, 13415), (340, 13433), (345, 13460), (351, 13490), (366, 13583), (375, 13622), (401, 13790), (406, 13844), (409, 13877), (419, 13922), (430, 14003), (431, 14006), (451, 14090), (453, 14096), (454, 14105), (460, 14147), (469, 14183), (471, 14201), (473, 14240), (481, 14300), (499, 14441), (510, 14501), (512, 14516), (539, 14858), (554, 15047), (555, 15056), (563, 15119), (607, 15395),

Gene: Blizzard_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Blizzard_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: Boiiii_21 Start: 12118, Stop: 15951, Start Num: 14

Candidate Starts for Boiiii_21:

(Start: 14 @12118 has 161 MA's), (23, 12187), (29, 12274), (37, 12349), (57, 12451), (63, 12478), (78, 12550), (79, 12562), (80, 12571), (90, 12643), (103, 12718), (122, 12802), (124, 12811), (127, 12832), (133, 12871), (137, 12907), (144, 12949), (156, 13027), (168, 13117), (177, 13192), (191, 13285), (193, 13294), (195, 13306), (196, 13315), (239, 13552), (248, 13591), (254, 13624), (269, 13711), (275, 13735), (289, 13819), (299, 13903), (302, 13915), (306, 13936), (351, 14092), (385, 14173), (394, 14221), (397, 14239), (401, 14260), (405, 14296), (409, 14347), (420, 14404), (430, 14482), (432, 14491), (451, 14569), (454, 14584), (460, 14626), (471, 14680), (499, 14920), (512, 14995), (526, 15106), (537, 15325), (539, 15337), (554, 15520), (555, 15529), (565, 15601), (573, 15631),

(578, 15652), (592, 15772), (604, 15844), (606, 15862), (607, 15868),

Gene: BoostSeason_17 Start: 10144, Stop: 13818, Start Num: 13

Candidate Starts for BoostSeason_17:

(Start: 13 @10144 has 28 MA's), (23, 10216), (67, 10450), (78, 10501), (90, 10594), (103, 10669), (124, 10762), (127, 10783), (130, 10804), (131, 10810), (144, 10900), (150, 10942), (156, 10978), (162, 11011), (163, 11023), (166, 11047), (168, 11068), (172, 11092), (173, 11098), (176, 11134), (177, 11143), (183, 11176), (185, 11188), (187, 11215), (223, 11398), (224, 11410), (226, 11416), (235, 11455), (239, 11479), (246, 11512), (258, 11530), (260, 11539), (287, 11572), (311, 11761), (312, 11767), (317, 11803), (323, 11830), (328, 11848), (335, 11866), (358, 11974), (364, 12007), (380, 12040), (391, 12094), (397, 12127), (401, 12148), (403, 12172), (407, 12202), (410, 12223), (460, 12445), (473, 12538), (485, 12616), (499, 12739), (522, 12892), (546, 13309), (547, 13318), (549, 13348), (557, 13408), (576, 13516), (592, 13648), (607, 13741),

Gene: BruceB_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for BruceB_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Bryler_20 Start: 11095, Stop: 15096, Start Num: 15

Candidate Starts for Bryler_20:

(Start: 15 @11095 has 37 MA's), (26, 11188), (34, 11293), (38, 11320), (42, 11347), (45, 11365), (50, 11383), (55, 11407), (56, 11413), (62, 11440), (64, 11446), (74, 11482), (77, 11491), (78, 11515), (88, 11587), (91, 11605), (92, 11608), (118, 11737), (138, 11854), (153, 11950), (158, 11989), (164, 12019), (173, 12079), (198, 12262), (199, 12268), (200, 12271), (211, 12325), (215, 12355), (224, 12415), (228, 12427), (230, 12433), (233, 12448), (237, 12469), (240, 12487), (267, 12625), (269, 12637), (274, 12658), (281, 12697), (301, 12751), (302, 12757), (320, 12919), (327, 12982), (340, 13063), (343, 13078), (351, 13120), (359, 13171), (362, 13192), (367, 13222), (369, 13228), (375, 13252), (381, 13303), (390, 13363), (401, 13420), (405, 13456), (406, 13474), (409, 13507), (430, 13648), (431, 13651), (451, 13735), (456, 13762), (471, 13846), (499, 14086), (512, 14161), (538, 14494), (546, 14596), (547, 14605), (554, 14677), (565, 14761), (573, 14791), (578, 14812), (592, 14929), (604, 15004), (609, 15043), (610, 15055),

Gene: CLED96_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for CLED96_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: CREW_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for CREW_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: Cain_20 Start: 11083, Stop: 15084, Start Num: 15

Candidate Starts for Cain_20:

(Start: 15 @11083 has 37 MA's), (26, 11176), (34, 11281), (38, 11308), (42, 11335), (45, 11353), (50, 11371), (55, 11395), (56, 11401), (62, 11428), (64, 11434), (74, 11470), (77, 11479), (78, 11503), (88, 11575), (91, 11593), (92, 11596), (118, 11725), (138, 11842), (153, 11938), (158, 11977), (164, 12007), (173, 12067), (198, 12250), (199, 12256), (200, 12259), (211, 12313), (215, 12343), (224, 12403), (228, 12415), (230, 12421), (233, 12436), (237, 12457), (240, 12475), (267, 12613), (269, 12625), (274, 12646), (281, 12685), (301, 12739), (302, 12745), (320, 12907), (327, 12970), (340, 13051), (343, 13066), (351, 13108), (359, 13159), (362, 13180), (367, 13210), (369, 13216), (375, 13240), (381, 13291), (390, 13351), (401, 13408), (405, 13444), (406, 13462), (409, 13495), (430, 13636), (431, 13639), (451, 13723), (456, 13750), (471, 13834), (499, 14074), (512, 14149), (538, 14482), (546, 14584), (547, 14593), (554, 14665), (565, 14749), (573, 14779), (578, 14800), (592, 14917), (604, 14992), (609, 15031), (610, 15043),

Gene: CallaLilly_22 Start: 12039, Stop: 15872, Start Num: 14

Candidate Starts for CallaLilly_22:

(Start: 14 @12039 has 161 MA's), (23, 12108), (24, 12129), (29, 12195), (57, 12372), (63, 12399), (78, 12471), (79, 12483), (80, 12492), (90, 12564), (103, 12639), (122, 12723), (124, 12732), (127, 12753), (133, 12792), (137, 12828), (144, 12870), (156, 12948), (168, 13038), (177, 13113), (191, 13206), (193, 13215), (195, 13227), (196, 13236), (239, 13473), (248, 13512), (254, 13545), (269, 13632), (275, 13656), (289, 13740), (299, 13824), (302, 13836), (306, 13857), (351, 14013), (385, 14094), (394, 14142), (397, 14160), (401, 14181), (405, 14217), (409, 14268), (420, 14325), (430, 14403), (432, 14412), (451, 14490), (454, 14505), (460, 14547), (471, 14601), (499, 14841), (512, 14916), (526, 15027), (537, 15246), (539, 15258), (554, 15441), (555, 15450), (565, 15522), (573, 15552), (578, 15573), (592, 15693), (604, 15765), (606, 15783), (607, 15789),

Gene: Cambiare_17 Start: 12153, Stop: 16196, Start Num: 15

Candidate Starts for Cambiare_17:

(Start: 15 @12153 has 37 MA's), (25, 12246), (28, 12276), (39, 12423), (59, 12507), (70, 12555), (90, 12693), (95, 12714), (103, 12768), (124, 12861), (127, 12882), (130, 12903), (133, 12921), (136, 12945), (137, 12957), (148, 13029), (151, 13044), (156, 13077), (174, 13209), (176, 13233), (179, 13254), (185, 13287), (187, 13314), (195, 13356), (203, 13404), (224, 13542), (225, 13545), (235, 13587), (249, 13656), (250, 13659), (262, 13728), (269, 13770), (283, 13848), (300, 13965), (302, 13974), (305, 13989), (312, 14070), (316, 14079), (321, 14139), (334, 14253), (345, 14307), (350, 14334), (359, 14388), (361, 14397), (367, 14439), (373, 14463), (375, 14469), (379, 14499), (381, 14520), (384, 14538), (391, 14583), (423, 14790), (426, 14805), (429, 14853), (435, 14874), (438, 14889), (444, 14913), (454, 14952), (455, 14955), (456, 14964), (460, 14991), (463, 15006), (472, 15057), (473, 15084), (489, 15189), (499, 15285), (512, 15360), (529, 15504), (540, 15705), (548, 15789), (549, 15816), (552, 15846), (554, 15858), (584, 16044), (593, 16122),

Gene: Camri_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Camri_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Capricorn_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Capricorn_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: CaseJules_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for CaseJules_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: CassieYates_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for CassieYates_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Cedasite_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Cedasite_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428,

14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Chance64_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Chance64_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Chavito_21 Start: 11138, Stop: 15292, Start Num: 15

Candidate Starts for Chavito_21:

(9, 11090), (Start: 15 @11138 has 37 MA's), (26, 11231), (42, 11390), (47, 11417), (68, 11507), (69, 11510), (82, 11597), (99, 11705), (100, 11708), (116, 11774), (134, 11876), (138, 11918), (141, 11933), (142, 11942), (147, 11969), (152, 11999), (156, 12032), (163, 12074), (173, 12143), (198, 12329), (199, 12335), (208, 12371), (210, 12380), (211, 12392), (213, 12404), (215, 12422), (224, 12482), (228, 12494), (230, 12500), (233, 12515), (236, 12533), (237, 12536), (240, 12554), (243, 12569), (252, 12608), (263, 12665), (264, 12674), (269, 12704), (274, 12725), (280, 12755), (290, 12824), (293, 12845), (296, 12872), (299, 12902), (302, 12914), (315, 13016), (322, 13094), (327, 13139), (329, 13163), (339, 13217), (340, 13220), (343, 13235), (344, 13238), (351, 13277), (354, 13304), (359, 13328), (360, 13334), (383, 13469), (384, 13478), (389, 13514), (390, 13520), (394, 13538), (399, 13565), (401, 13577), (406, 13631), (409, 13664), (421, 13724), (430, 13805), (431, 13808), (451, 13892), (454, 13907), (473, 14042), (482, 14108), (499, 14243), (532, 14516), (534, 14591), (554, 14852), (555, 14861), (561, 14924), (583, 15047), (592, 15119), (596, 15140), (604, 15191), (606, 15209), (607, 15215), (611, 15254),

Gene: CheetoDust_21 Start: 12093, Stop: 15926, Start Num: 14

Candidate Starts for CheetoDust_21:

(Start: 14 @12093 has 161 MA's), (23, 12162), (29, 12249), (57, 12426), (63, 12453), (78, 12525), (79, 12537), (80, 12546), (90, 12618), (103, 12693), (122, 12777), (124, 12786), (127, 12807), (133, 12846), (144, 12924), (156, 13002), (159, 13026), (168, 13092), (177, 13167), (191, 13260), (193, 13269), (195, 13281), (196, 13290), (239, 13527), (248, 13566), (254, 13599), (269, 13686), (275, 13710), (289, 13794), (299, 13878), (302, 13890), (306, 13911), (351, 14067), (385, 14148), (389, 14172), (394, 14196), (397, 14214), (401, 14235), (405, 14271), (409, 14322), (420, 14379), (430, 14457), (432, 14466), (451, 14544), (454, 14559), (460, 14601), (471, 14655), (499, 14895), (512, 14970), (526, 15081), (537, 15300), (539, 15312), (554, 15495), (555, 15504), (565, 15576), (573, 15606), (578, 15627), (592, 15747), (604, 15819), (606, 15837), (607, 15843),

Gene: Cherrybomb426_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Cherrybomb426_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Chris_20 Start: 11071, Stop: 15138, Start Num: 15

Candidate Starts for Chris_20:

(Start: 15 @11071 has 37 MA's), (26, 11164), (38, 11296), (42, 11323), (43, 11332), (44, 11338), (66, 11434), (88, 11563), (91, 11581), (92, 11584), (96, 11611), (100, 11641), (118, 11722), (125, 11752), (128, 11776), (138, 11839), (141, 11854), (155, 11950), (156, 11953), (163, 11995), (173, 12064), (198, 12247), (200, 12256), (210, 12298), (211, 12310), (224, 12400), (228, 12412), (230, 12418), (233, 12433), (236, 12451), (237, 12454), (242, 12484), (243, 12487), (267, 12610), (269, 12622), (270, 12628), (274, 12643), (276, 12649), (300, 12733), (307, 12802), (327, 12967), (333, 13015), (336, 13030), (351, 13105), (359, 13156), (362, 13177), (369, 13213), (375, 13237), (379, 13267), (397, 13384), (400, 13396), (401, 13405), (406, 13459), (409, 13492), (420, 13549), (430, 13627), (431, 13630), (451, 13714), (456, 13741), (464, 13789), (471, 13825), (473, 13864), (489, 13969), (499, 14065), (506, 14107), (512, 14140), (537, 14482), (554, 14680), (567, 14794), (592, 14968), (604, 15052), (607, 15073),

Gene: Clipper_23 Start: 12093, Stop: 15926, Start Num: 14

Candidate Starts for Clipper_23:

(Start: 14 @12093 has 161 MA's), (23, 12162), (29, 12249), (57, 12426), (63, 12453), (79, 12537), (80, 12546), (90, 12618), (103, 12693), (122, 12777), (124, 12786), (127, 12807), (133, 12846), (144, 12924), (156, 13002), (168, 13092), (177, 13167), (191, 13260), (193, 13269), (195, 13281), (196, 13290), (239, 13527), (248, 13566), (254, 13599), (269, 13686), (275, 13710), (289, 13794), (299, 13878), (302, 13890), (306, 13911), (351, 14067), (385, 14148), (389, 14172), (394, 14196), (397, 14214), (401, 14235), (405, 14271), (409, 14322), (420, 14379), (430, 14457), (432, 14466), (451, 14544), (454, 14559), (460, 14601), (471, 14655), (499, 14895), (512, 14970), (526, 15081), (537, 15300), (539, 15312), (554, 15495), (555, 15504), (565, 15576), (573, 15606), (578, 15627), (592, 15747), (604, 15819), (606, 15837), (607, 15843),

Gene: Coleslaw_16 Start: 11455, Stop: 15468, Start Num: 14

Candidate Starts for Coleslaw_16:

(Start: 14 @11455 has 161 MA's), (33, 11656), (53, 11770), (63, 11812), (71, 11842), (90, 11977), (93, 11989), (95, 11998), (130, 12187), (133, 12205), (134, 12208), (136, 12229), (137, 12241), (148, 12313), (156, 12361), (174, 12493), (176, 12517), (187, 12598), (212, 12721), (223, 12805), (232, 12841), (239, 12886), (240, 12892), (261, 13000), (265, 13024), (269, 13045), (305, 13264), (321, 13414), (330, 13501), (350, 13609), (375, 13744), (390, 13855), (394, 13873), (400, 13903), (428, 14125), (435, 14149), (438, 14164), (442, 14185), (451, 14212), (456, 14239), (467, 14299), (474, 14389), (481, 14422), (492, 14485), (495, 14542), (499, 14575), (501, 14584), (548, 15088), (549, 15115), (552, 15145), (554, 15157), (555, 15166), (565, 15235), (584, 15316), (590, 15376), (593, 15394), (595, 15403),

Gene: Collard_19 Start: 12197, Stop: 16303, Start Num: 13

Candidate Starts for Collard_19:

(Start: 13 @12197 has 28 MA's), (24, 12290), (30, 12368), (32, 12392), (39, 12452), (59, 12536), (61, 12548), (80, 12650), (89, 12710), (90, 12722), (95, 12743), (103, 12797), (114, 12845), (124, 12890), (127, 12911), (144, 13028), (156, 13106), (159, 13130), (168, 13196), (177, 13271), (191, 13364), (196, 13394), (226, 13568), (229, 13577), (235, 13607), (239, 13631), (243, 13652), (255, 13712), (269, 13790), (271, 13799), (285, 13877), (294, 13943), (300, 13985), (302, 13994), (309, 14078), (316, 14099), (318, 14132), (325, 14198), (327, 14219), (334, 14273), (336, 14282), (340, 14300), (344, 14318), (345, 14327), (351, 14357), (356, 14393), (365, 14447), (373, 14483), (375, 14489), (377, 14507), (392, 14612), (402, 14678), (430, 14873), (437, 14903), (445, 14936), (456, 14987), (457, 15008), (461, 15023), (462, 15029), (473, 15113), (480, 15161), (486, 15200), (493, 15260),

(494, 15293), (498, 15314), (503, 15338), (507, 15368), (520, 15434), (528, 15506), (546, 15821), (547, 15830), (548, 15833), (550, 15875), (554, 15902), (559, 15932), (565, 15983), (569, 16001), (584, 16067), (589, 16115), (592, 16139), (594, 16151), (608, 16232), (610, 16256), (615, 16295),

Gene: Crespo_16 Start: 11465, Stop: 15478, Start Num: 14

Candidate Starts for Crespo_16:

(Start: 14 @11465 has 161 MA's), (33, 11666), (53, 11780), (63, 11822), (71, 11852), (90, 11987), (93, 11999), (95, 12008), (130, 12197), (133, 12215), (134, 12218), (136, 12239), (137, 12251), (148, 12323), (156, 12371), (174, 12503), (176, 12527), (187, 12608), (212, 12731), (223, 12815), (232, 12851), (239, 12896), (240, 12902), (261, 13010), (265, 13034), (269, 13055), (305, 13274), (321, 13424), (330, 13511), (350, 13619), (375, 13754), (390, 13865), (394, 13883), (400, 13913), (428, 14135), (435, 14159), (438, 14174), (442, 14195), (451, 14222), (456, 14249), (467, 14309), (474, 14399), (481, 14432), (492, 14495), (495, 14552), (499, 14585), (501, 14594), (548, 15098), (549, 15125), (552, 15155), (554, 15167), (555, 15176), (565, 15245), (584, 15326), (590, 15386), (593, 15404), (595, 15413),

Gene: CrimD_21 Start: 12051, Stop: 15887, Start Num: 14

Candidate Starts for CrimD_21:

(Start: 14 @12051 has 161 MA's), (23, 12120), (29, 12207), (57, 12387), (63, 12414), (79, 12498), (80, 12507), (89, 12567), (90, 12579), (103, 12654), (113, 12696), (122, 12738), (124, 12747), (127, 12768), (133, 12807), (144, 12885), (156, 12963), (177, 13128), (191, 13221), (193, 13230), (195, 13242), (196, 13251), (239, 13488), (244, 13512), (248, 13527), (254, 13560), (269, 13647), (275, 13671), (289, 13755), (299, 13839), (302, 13851), (306, 13872), (315, 13953), (346, 14010), (351, 14028), (385, 14109), (394, 14157), (397, 14175), (400, 14187), (401, 14196), (405, 14232), (409, 14283), (420, 14340), (430, 14418), (451, 14505), (454, 14520), (460, 14562), (471, 14616), (499, 14856), (512, 14931), (526, 15042), (537, 15261), (539, 15273), (546, 15375), (554, 15456), (555, 15465), (565, 15537), (573, 15567), (578, 15588), (592, 15708), (604, 15780), (606, 15798), (607, 15804),

Gene: Curiosium_22 Start: 11510, Stop: 15637, Start Num: 15

Candidate Starts for Curiosium_22:

(Start: 15 @11510 has 37 MA's), (20, 11537), (26, 11603), (38, 11735), (41, 11759), (47, 11789), (52, 11810), (55, 11822), (68, 11879), (69, 11882), (82, 11969), (88, 12002), (91, 12020), (92, 12023), (98, 12065), (109, 12110), (134, 12239), (138, 12281), (141, 12296), (142, 12305), (147, 12332), (156, 12395), (162, 12425), (173, 12506), (178, 12557), (191, 12644), (198, 12689), (208, 12731), (209, 12734), (210, 12740), (215, 12782), (224, 12842), (228, 12854), (230, 12860), (233, 12875), (236, 12893), (237, 12896), (240, 12914), (243, 12929), (255, 12989), (260, 13010), (263, 13025), (269, 13064), (273, 13082), (274, 13085), (299, 13262), (302, 13274), (304, 13283), (307, 13334), (315, 13376), (327, 13499), (329, 13523), (344, 13598), (354, 13664), (369, 13745), (379, 13799), (381, 13820), (384, 13838), (390, 13880), (394, 13898), (399, 13925), (401, 13937), (405, 13973), (406, 13991), (412, 14036), (430, 14165), (431, 14168), (451, 14252), (454, 14267), (459, 14306), (460, 14309), (471, 14363), (473, 14402), (482, 14468), (499, 14603), (519, 14729), (541, 15044), (546, 15125), (547, 15134), (554, 15206), (592, 15458), (604, 15530), (607, 15554), (610, 15581),

Gene: DMoney_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for DMoney_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549,

15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: DNAIII_0016 Start: 11473, Stop: 15486, Start Num: 14

Candidate Starts for DNAIII_0016:

(Start: 14 @11473 has 161 MA's), (33, 11674), (53, 11788), (63, 11830), (71, 11860), (90, 11995), (93, 12007), (95, 12016), (130, 12205), (133, 12223), (134, 12226), (136, 12247), (137, 12259), (148, 12331), (156, 12379), (174, 12511), (176, 12535), (187, 12616), (212, 12739), (223, 12823), (232, 12859), (239, 12904), (240, 12910), (261, 13018), (265, 13042), (269, 13063), (305, 13282), (321, 13432), (330, 13519), (350, 13627), (375, 13762), (390, 13873), (394, 13891), (400, 13921), (428, 14143), (435, 14167), (438, 14182), (442, 14203), (451, 14230), (456, 14257), (467, 14317), (474, 14407), (481, 14440), (492, 14503), (495, 14560), (499, 14593), (501, 14602), (548, 15106), (549, 15133), (552, 15163), (554, 15175), (555, 15184), (565, 15253), (584, 15334), (590, 15394), (593, 15412), (595, 15421),

Gene: Dadosky_19 Start: 12113, Stop: 16225, Start Num: 13

Candidate Starts for Dadosky_19:

(Start: 13 @12113 has 28 MA's), (24, 12206), (30, 12284), (32, 12308), (39, 12368), (59, 12452), (80, 12566), (89, 12626), (90, 12638), (95, 12659), (103, 12713), (114, 12761), (124, 12806), (127, 12827), (144, 12944), (156, 13022), (159, 13046), (165, 13088), (168, 13112), (177, 13187), (191, 13280), (196, 13310), (226, 13484), (235, 13523), (239, 13547), (243, 13568), (255, 13628), (269, 13706), (285, 13793), (294, 13859), (300, 13901), (302, 13910), (309, 13994), (316, 14015), (318, 14048), (325, 14114), (327, 14135), (334, 14189), (336, 14198), (340, 14216), (345, 14243), (351, 14273), (356, 14309), (373, 14399), (375, 14405), (377, 14423), (392, 14528), (402, 14594), (430, 14789), (437, 14819), (445, 14852), (456, 14903), (457, 14924), (461, 14939), (462, 14945), (473, 15029), (480, 15077), (486, 15116), (493, 15176), (494, 15209), (498, 15230), (503, 15254), (507, 15284), (520, 15350), (528, 15422), (546, 15737), (547, 15746), (548, 15749), (549, 15776), (550, 15791), (552, 15806), (554, 15818), (559, 15848), (565, 15902), (569, 15920), (584, 15989), (589, 16037), (592, 16061), (594, 16073), (596, 16082), (608, 16154), (610, 16178), (615, 16217),

Gene: Dalmuri_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Dalmuri_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: Darionha_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Darionha_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: DarthP_20 Start: 12196, Stop: 16335, Start Num: 14

Candidate Starts for DarthP_20:

(9, 12151), (Start: 14 @12196 has 161 MA's), (23, 12265), (29, 12352), (37, 12427), (57, 12529), (59, 12535), (63, 12556), (72, 12589), (76, 12601), (79, 12640), (80, 12649), (89, 12709), (90, 12721), (95, 12742), (103, 12796), (110, 12826), (124, 12889), (127, 12910), (133, 12949), (144, 13027), (156, 13105), (159, 13129), (183, 13303), (187, 13342), (188, 13351), (189, 13354), (195, 13384), (217, 13507), (220, 13522), (224, 13561), (235, 13606), (239, 13630), (260, 13732), (261, 13744), (263, 13750), (269, 13789), (288, 13915), (291, 13930), (295, 13966), (297, 13978), (304, 14023), (316, 14119), (344, 14338), (351, 14377), (353, 14398), (369, 14485), (375, 14509), (378, 14536), (379, 14539), (383, 14569), (390, 14620), (397, 14656), (409, 14764), (430, 14899), (431, 14902), (447, 14968), (449, 14974), (456, 15013), (466, 15085), (468, 15091), (471, 15112), (478, 15196), (483, 15226), (487, 15247), (488, 15259), (496, 15340), (500, 15373), (502, 15382), (504, 15388), (510, 15430), (514, 15448), (517, 15481), (518, 15487), (527, 15532), (537, 15742), (546, 15841), (547, 15850), (548, 15853), (554, 15922), (578, 16057), (585, 16126), (592, 16174), (607, 16270), (611, 16309),

Gene: Dartin_21 Start: 11128, Stop: 15282, Start Num: 15

Candidate Starts for Dartin_21:

(9, 11086), (Start: 15 @11128 has 37 MA's), (26, 11221), (42, 11380), (47, 11407), (68, 11497), (69, 11500), (82, 11587), (99, 11695), (116, 11764), (119, 11782), (134, 11866), (138, 11908), (141, 11923), (142, 11932), (147, 11959), (156, 12022), (163, 12064), (173, 12133), (180, 12196), (181, 12205), (198, 12319), (199, 12325), (208, 12361), (210, 12370), (211, 12382), (213, 12394), (215, 12412), (224, 12472), (228, 12484), (230, 12490), (233, 12505), (236, 12523), (237, 12526), (240, 12544), (243, 12559), (252, 12598), (263, 12655), (264, 12664), (269, 12694), (274, 12715), (280, 12745), (284, 12778), (296, 12862), (299, 12892), (302, 12904), (315, 13006), (322, 13084), (327, 13129), (329, 13153), (339, 13207), (340, 13210), (343, 13225), (351, 13267), (354, 13294), (356, 13303), (359, 13318), (360, 13324), (361, 13327), (384, 13468), (389, 13504), (390, 13510), (394, 13528), (399, 13555), (401, 13567), (406, 13621), (409, 13654), (421, 13714), (430, 13795), (431, 13798), (451, 13882), (454, 13897), (473, 14032), (482, 14098), (499, 14233), (535, 14584), (554, 14839), (555, 14848), (561, 14914), (592, 15109), (596, 15130), (604, 15181), (606, 15199), (607, 15205), (611, 15244),

Gene: Deby_21 Start: 12050, Stop: 15883, Start Num: 14

Candidate Starts for Deby_21:

(Start: 14 @12050 has 161 MA's), (23, 12119), (29, 12206), (57, 12383), (63, 12410), (79, 12494), (80, 12503), (90, 12575), (103, 12650), (122, 12734), (124, 12743), (127, 12764), (133, 12803), (144, 12881), (156, 12959), (168, 13049), (177, 13124), (191, 13217), (195, 13238), (196, 13247), (239, 13484), (248, 13523), (254, 13556), (269, 13643), (275, 13667), (289, 13751), (299, 13835), (302, 13847), (306, 13868), (351, 14024), (385, 14105), (394, 14153), (397, 14171), (401, 14192), (405, 14228), (409, 14279), (420, 14336), (430, 14414), (432, 14423), (451, 14501), (454, 14516), (460, 14558), (471, 14612), (499, 14852), (512, 14927), (526, 15038), (537, 15257), (539, 15269), (554, 15452), (555, 15461), (573, 15563), (578, 15584), (592, 15704), (604, 15776), (606, 15794), (607, 15800),

Gene: Devera_21 Start: 12075, Stop: 15929, Start Num: 14

Candidate Starts for Devera_21:

(Start: 14 @12075 has 161 MA's), (23, 12144), (29, 12231), (57, 12411), (63, 12438), (79, 12522), (80, 12531), (89, 12591), (90, 12603), (103, 12678), (113, 12720), (122, 12762), (124, 12771), (127, 12792), (133, 12831), (144, 12909), (150, 12951), (156, 12987), (177, 13152), (191, 13245), (195, 13266), (196, 13275), (244, 13557), (248, 13572), (254, 13605), (269, 13692), (289, 13800), (299, 13884), (302, 13896), (306, 13917), (351, 14073), (385, 14154), (394, 14202), (397, 14220), (401, 14241), (405, 14277), (409, 14328), (420, 14385), (430, 14463), (432, 14472), (451, 14550), (454,

14565), (460, 14607), (471, 14661), (485, 14778), (499, 14901), (512, 14976), (529, 15129), (537, 15306), (546, 15420), (554, 15501), (555, 15510), (565, 15582), (573, 15612), (578, 15633), (592, 15750), (604, 15822), (607, 15846),

Gene: DismalFunk_17 Start: 10116, Stop: 13784, Start Num: 13

Candidate Starts for DismalFunk_17:

(Start: 13 @10116 has 28 MA's), (23, 10188), (67, 10422), (78, 10473), (90, 10566), (95, 10587), (103, 10641), (124, 10734), (127, 10755), (130, 10776), (131, 10782), (144, 10872), (150, 10914), (156, 10950), (162, 10983), (163, 10995), (166, 11019), (168, 11040), (172, 11064), (173, 11070), (176, 11106), (177, 11115), (183, 11148), (185, 11160), (187, 11187), (223, 11370), (224, 11382), (226, 11388), (232, 11406), (235, 11427), (239, 11451), (244, 11475), (246, 11484), (250, 11499), (260, 11511), (287, 11544), (294, 11592), (311, 11733), (312, 11739), (317, 11775), (323, 11802), (328, 11820), (358, 11946), (380, 12012), (391, 12066), (397, 12099), (401, 12120), (403, 12144), (407, 12174), (410, 12195), (460, 12417), (473, 12510), (485, 12588), (499, 12711), (516, 12816), (522, 12864), (542, 13251), (546, 13281), (547, 13290), (549, 13320), (576, 13485), (592, 13614), (607, 13707),

Gene: DismalStressor_17 Start: 10116, Stop: 13784, Start Num: 13

Candidate Starts for DismalStressor_17:

(Start: 13 @10116 has 28 MA's), (23, 10188), (67, 10422), (78, 10473), (90, 10566), (95, 10587), (103, 10641), (124, 10734), (127, 10755), (130, 10776), (131, 10782), (144, 10872), (150, 10914), (156, 10950), (162, 10983), (163, 10995), (166, 11019), (168, 11040), (172, 11064), (173, 11070), (176, 11106), (177, 11115), (183, 11148), (185, 11160), (187, 11187), (223, 11370), (224, 11382), (226, 11388), (232, 11406), (235, 11427), (239, 11451), (244, 11475), (246, 11484), (250, 11499), (260, 11511), (287, 11544), (294, 11592), (311, 11733), (312, 11739), (317, 11775), (323, 11802), (328, 11820), (358, 11946), (380, 12012), (391, 12066), (397, 12099), (401, 12120), (403, 12144), (407, 12174), (410, 12195), (460, 12417), (473, 12510), (485, 12588), (499, 12711), (516, 12816), (522, 12864), (542, 13251), (546, 13281), (547, 13290), (549, 13320), (576, 13485), (592, 13614), (607, 13707),

Gene: Dole_21 Start: 12077, Stop: 15931, Start Num: 14

Candidate Starts for Dole_21:

(Start: 14 @12077 has 161 MA's), (23, 12146), (29, 12233), (57, 12413), (63, 12440), (79, 12524), (80, 12533), (89, 12593), (90, 12605), (103, 12680), (113, 12722), (122, 12764), (124, 12773), (127, 12794), (133, 12833), (144, 12911), (150, 12953), (156, 12989), (177, 13154), (191, 13247), (195, 13268), (196, 13277), (244, 13559), (248, 13574), (254, 13607), (269, 13694), (289, 13802), (299, 13886), (302, 13898), (306, 13919), (351, 14075), (385, 14156), (394, 14204), (397, 14222), (401, 14243), (405, 14279), (409, 14330), (420, 14387), (430, 14465), (432, 14474), (451, 14552), (454, 14567), (460, 14609), (471, 14663), (485, 14780), (499, 14903), (512, 14978), (529, 15131), (537, 15308), (546, 15422), (554, 15503), (555, 15512), (565, 15584), (573, 15614), (578, 15635), (592, 15752), (604, 15824), (607, 15848),

Gene: Doughnut_17 Start: 10138, Stop: 13812, Start Num: 13

Candidate Starts for Doughnut_17:

(Start: 13 @10138 has 28 MA's), (23, 10210), (67, 10444), (78, 10495), (90, 10588), (103, 10663), (124, 10756), (127, 10777), (130, 10798), (131, 10804), (144, 10894), (150, 10936), (156, 10972), (162, 11005), (163, 11017), (166, 11041), (168, 11062), (172, 11086), (173, 11092), (176, 11128), (177, 11137), (183, 11170), (185, 11182), (187, 11209), (223, 11392), (224, 11404), (226, 11410), (235, 11449), (239, 11473), (246, 11506), (258, 11524), (260, 11533), (287, 11566), (311, 11755), (312, 11761), (317, 11797), (323, 11824), (328, 11842), (335, 11860), (358, 11968), (364, 12001), (380, 12034), (391, 12088), (397, 12121), (401, 12142), (403, 12166), (407, 12196), (410, 12217), (460, 12439), (473, 12532), (485, 12610), (499, 12733), (522, 12886), (542, 13273), (546, 13303), (547, 13312), (549, 13342), (557, 13402), (576, 13510), (592, 13642), (607, 13735),

Gene: DrHayes_21 Start: 12024, Stop: 15863, Start Num: 14

Candidate Starts for DrHayes_21:

(Start: 14 @12024 has 161 MA's), (23, 12093), (29, 12180), (57, 12360), (63, 12387), (79, 12471), (80, 12480), (89, 12540), (90, 12552), (103, 12627), (115, 12678), (124, 12720), (127, 12741), (133, 12780), (144, 12858), (156, 12936), (159, 12960), (177, 13101), (191, 13194), (195, 13215), (196, 13224), (239, 13461), (244, 13485), (248, 13500), (254, 13533), (269, 13620), (285, 13707), (289, 13728), (299, 13812), (302, 13824), (306, 13845), (351, 14001), (385, 14082), (397, 14148), (401, 14169), (405, 14205), (409, 14256), (415, 14274), (420, 14313), (430, 14391), (451, 14478), (454, 14493), (460, 14535), (471, 14589), (499, 14829), (512, 14904), (526, 15015), (528, 15036), (529, 15057), (535, 15177), (546, 15351), (554, 15432), (555, 15441), (565, 15513), (573, 15543), (578, 15564), (592, 15684), (604, 15756), (606, 15774), (607, 15780),

Gene: Durfee_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Durfee_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: ECartman_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for ECartman_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Edugator_18 Start: 12113, Stop: 16225, Start Num: 13

Candidate Starts for Edugator_18:

(Start: 11 @12092 has 1 MA's), (Start: 13 @12113 has 28 MA's), (24, 12206), (30, 12284), (32, 12308), (39, 12368), (59, 12452), (80, 12566), (89, 12626), (90, 12638), (95, 12659), (103, 12713), (114, 12761), (124, 12806), (127, 12827), (144, 12944), (156, 13022), (159, 13046), (165, 13088), (168, 13112), (177, 13187), (191, 13280), (196, 13310), (226, 13484), (235, 13523), (239, 13547), (243, 13568), (255, 13628), (269, 13706), (285, 13793), (294, 13859), (300, 13901), (302, 13910), (309, 13994), (316, 14015), (318, 14048), (325, 14114), (327, 14135), (334, 14189), (336, 14198), (340, 14216), (345, 14243), (351, 14273), (356, 14309), (373, 14399), (375, 14405), (377, 14423), (392, 14528), (402, 14594), (430, 14789), (437, 14819), (445, 14852), (456, 14903), (457, 14924), (461, 14939), (462, 14945), (473, 15029), (480, 15077), (486, 15116), (493, 15176), (494, 15209), (498, 15230), (503, 15254), (507, 15284), (520, 15350), (528, 15422), (546, 15737), (547, 15746), (548, 15749), (549, 15776), (550, 15791), (552, 15806), (554, 15818), (559, 15848), (565, 15902), (569, 15920), (584, 15989), (589, 16037), (592, 16061), (594, 16073), (596, 16082), (608, 16154), (610, 16178), (615, 16217),

Gene: Efra2_21 Start: 11000, Stop: 15127, Start Num: 15

Candidate Starts for Efra2_21:

(9, 10952), (Start: 15 @11000 has 37 MA's), (26, 11093), (38, 11225), (41, 11249), (47, 11279), (52, 11300), (55, 11312), (69, 11372), (82, 11459), (88, 11492), (91, 11510), (92, 11513), (105, 11585), (134, 11729), (138, 11771), (141, 11786), (147, 11822), (157, 11894), (173, 11996), (198, 12179), (204, 12206), (209, 12224), (210, 12230), (215, 12272), (228, 12344), (230, 12350), (233, 12365), (237, 12386), (240, 12404), (243, 12419), (253, 12467), (260, 12500), (263, 12515), (269, 12554), (274, 12575), (280, 12605), (304, 12773), (307, 12824), (327, 12989), (329, 13013), (340, 13070), (349, 13121), (354, 13154), (356, 13163), (369, 13235), (381, 13310), (384, 13328), (390, 13370), (394, 13388), (399, 13415), (401, 13427), (416, 13556), (421, 13574), (430, 13655), (431, 13658), (451, 13742), (459, 13796), (460, 13799), (473, 13892), (482, 13958), (499, 14093), (519, 14219), (546, 14615), (547, 14624), (554, 14696), (565, 14780), (573, 14810), (577, 14831), (592, 14948), (604, 15020), (607, 15044), (611, 15083),

Gene: Ekdilam_18 Start: 11907, Stop: 16097, Start Num: 14

Candidate Starts for Ekdilam_18:

(9, 11862), (Start: 14 @11907 has 161 MA's), (23, 11976), (29, 12063), (37, 12138), (57, 12240), (63, 12267), (72, 12300), (76, 12312), (79, 12351), (89, 12420), (90, 12432), (95, 12453), (103, 12507), (108, 12531), (110, 12537), (124, 12600), (127, 12621), (133, 12660), (136, 12684), (144, 12738), (156, 12816), (159, 12840), (170, 12915), (183, 13014), (187, 13053), (189, 13065), (195, 13095), (217, 13218), (220, 13233), (224, 13272), (229, 13287), (239, 13341), (261, 13455), (262, 13458), (269, 13500), (274, 13521), (288, 13626), (291, 13641), (293, 13656), (295, 13677), (297, 13689), (304, 13734), (316, 13830), (327, 13950), (351, 14088), (353, 14109), (369, 14196), (375, 14220), (378, 14247), (379, 14250), (383, 14280), (390, 14331), (397, 14367), (409, 14475), (430, 14610), (431, 14613), (447, 14679), (449, 14685), (456, 14724), (466, 14796), (468, 14802), (471, 14823), (478, 14907), (483, 14937), (487, 14958), (488, 14970), (496, 15051), (500, 15084), (502, 15093), (504, 15099), (510, 15141), (514, 15159), (517, 15192), (518, 15198), (537, 15486), (546, 15600), (547, 15609), (548, 15612), (554, 15681), (578, 15813), (592, 15933), (605, 16011), (607, 16032), (611, 16071),

Gene: Ellie_18 Start: 11944, Stop: 16092, Start Num: 14

Candidate Starts for Ellie_18:

(Start: 14 @11944 has 161 MA's), (23, 12013), (37, 12175), (57, 12277), (59, 12283), (63, 12304), (89, 12457), (90, 12469), (103, 12544), (110, 12574), (124, 12637), (127, 12658), (133, 12697), (144, 12775), (156, 12853), (159, 12877), (168, 12943), (177, 13018), (191, 13111), (209, 13192), (217, 13255), (224, 13309), (225, 13312), (231, 13330), (233, 13342), (243, 13399), (250, 13426), (254, 13450), (258, 13471), (261, 13492), (269, 13537), (294, 13711), (316, 13867), (327, 13987), (332, 14029), (333, 14035), (346, 14107), (351, 14125), (353, 14146), (375, 14257), (383, 14317), (388, 14350), (390, 14368), (394, 14386), (397, 14404), (400, 14416), (405, 14461), (409, 14512), (418, 14560), (430, 14638), (451, 14725), (453, 14731), (454, 14740), (463, 14797), (464, 14800), (473, 14875), (482, 14941), (499, 15076), (510, 15136), (512, 15151), (514, 15157), (547, 15607), (554, 15679), (555, 15688), (567, 15775), (592, 15928), (607, 16027), (610, 16054), (611, 16066),

Gene: Emerson_21 Start: 12076, Stop: 15909, Start Num: 14

Candidate Starts for Emerson_21:

(Start: 14 @12076 has 161 MA's), (23, 12145), (29, 12232), (37, 12307), (57, 12409), (63, 12436), (78, 12508), (79, 12520), (80, 12529), (90, 12601), (103, 12676), (122, 12760), (124, 12769), (127, 12790), (133, 12829), (144, 12907), (156, 12985), (168, 13075), (177, 13150), (191, 13243), (193, 13252), (195, 13264), (196, 13273), (239, 13510), (248, 13549), (254, 13582), (269, 13669), (275, 13693), (289, 13777), (299, 13861), (302, 13873), (306, 13894), (351, 14050), (385, 14131), (394, 14179), (397, 14197), (401, 14218), (405, 14254), (409, 14305), (420, 14362), (430, 14440), (432, 14449), (451, 14527), (454, 14542), (460, 14584), (471, 14638), (499, 14878), (512, 14953), (526, 15064), (537, 15283), (539, 15295), (554, 15478), (555, 15487), (565, 15559), (573, 15589), (578, 15610),

(592, 15730), (604, 15802), (606, 15820), (607, 15826),

Gene: Enkosi_17 Start: 11327, Stop: 15460, Start Num: 14

Candidate Starts for Enkosi_17:

(10, 11288), (Start: 14 @11327 has 161 MA's), (23, 11396), (29, 11483), (37, 11561), (59, 11669), (63, 11690), (72, 11723), (90, 11855), (94, 11870), (95, 11876), (103, 11930), (110, 11960), (124, 12023), (127, 12044), (133, 12083), (144, 12161), (156, 12239), (159, 12263), (191, 12497), (209, 12578), (216, 12638), (224, 12695), (234, 12731), (239, 12764), (244, 12788), (257, 12854), (259, 12863), (269, 12923), (289, 13031), (294, 13076), (316, 13232), (326, 13343), (327, 13352), (328, 13364), (336, 13415), (340, 13433), (345, 13460), (351, 13490), (366, 13583), (375, 13622), (401, 13790), (406, 13844), (409, 13877), (419, 13922), (430, 14003), (431, 14006), (451, 14090), (453, 14096), (454, 14105), (460, 14147), (469, 14183), (471, 14201), (473, 14240), (481, 14300), (499, 14441), (510, 14501), (512, 14516), (539, 14858), (554, 15047), (555, 15056), (563, 15119), (607, 15395),

Gene: Fefferhead_20 Start: 12111, Stop: 16259, Start Num: 14

Candidate Starts for Fefferhead_20:

(Start: 14 @12111 has 161 MA's), (23, 12180), (37, 12342), (57, 12444), (59, 12450), (63, 12471), (89, 12624), (90, 12636), (103, 12711), (124, 12804), (127, 12825), (133, 12864), (144, 12942), (156, 13020), (159, 13044), (167, 13098), (168, 13110), (177, 13185), (191, 13278), (209, 13359), (217, 13422), (224, 13476), (231, 13497), (233, 13509), (239, 13545), (243, 13566), (248, 13584), (254, 13617), (258, 13638), (259, 13644), (261, 13659), (263, 13665), (269, 13704), (294, 13878), (316, 14034), (332, 14196), (333, 14202), (344, 14253), (351, 14292), (353, 14313), (375, 14424), (383, 14484), (388, 14517), (390, 14535), (394, 14553), (397, 14571), (400, 14583), (405, 14628), (409, 14679), (418, 14727), (430, 14805), (432, 14814), (451, 14892), (453, 14898), (454, 14907), (463, 14964), (464, 14967), (473, 15042), (482, 15108), (499, 15243), (510, 15303), (512, 15318), (514, 15324), (547, 15774), (554, 15846), (555, 15855), (567, 15942), (592, 16095), (607, 16194), (610, 16221), (611, 16233),

Gene: Feyre_19 Start: 12055, Stop: 16164, Start Num: 13

Candidate Starts for Feyre_19:

(Start: 13 @12055 has 28 MA's), (39, 12313), (59, 12397), (76, 12463), (78, 12490), (80, 12511), (89, 12571), (90, 12583), (95, 12604), (103, 12658), (110, 12688), (124, 12751), (127, 12772), (144, 12889), (150, 12931), (151, 12934), (156, 12967), (162, 13000), (191, 13225), (194, 13237), (195, 13246), (214, 13324), (223, 13387), (225, 13402), (226, 13405), (229, 13414), (231, 13420), (233, 13432), (234, 13435), (239, 13468), (242, 13486), (244, 13492), (263, 13588), (269, 13627), (294, 13780), (300, 13822), (305, 13846), (316, 13936), (318, 13969), (334, 14110), (336, 14119), (340, 14137), (345, 14164), (357, 14242), (375, 14326), (392, 14449), (402, 14515), (417, 14617), (430, 14710), (432, 14719), (437, 14740), (445, 14773), (456, 14824), (457, 14845), (461, 14860), (462, 14866), (473, 14950), (475, 14980), (480, 14998), (486, 15037), (493, 15097), (494, 15130), (498, 15151), (503, 15175), (507, 15208), (520, 15292), (528, 15364), (546, 15673), (550, 15727), (552, 15742), (554, 15754), (559, 15784), (589, 15970), (592, 15994), (594, 16006), (608, 16093), (610, 16117),

Gene: Findley_17 Start: 10116, Stop: 13787, Start Num: 13

Candidate Starts for Findley_17:

(Start: 13 @10116 has 28 MA's), (23, 10188), (67, 10422), (78, 10473), (90, 10566), (95, 10587), (103, 10641), (124, 10734), (127, 10755), (130, 10776), (131, 10782), (144, 10872), (150, 10914), (156, 10950), (162, 10983), (163, 10995), (166, 11019), (168, 11040), (172, 11064), (173, 11070), (176, 11106), (177, 11115), (183, 11148), (185, 11160), (187, 11187), (223, 11370), (224, 11382), (226, 11388), (232, 11406), (235, 11427), (239, 11451), (244, 11475), (246, 11484), (250, 11499), (260, 11511), (287, 11544), (294, 11592), (311, 11733), (312, 11739), (317, 11775), (323, 11802), (328, 11820), (341, 11850), (358, 11946), (364, 11979), (381, 12015), (391, 12066), (397, 12099), (401, 12120), (403, 12144), (407, 12174), (410, 12195), (445, 12339), (460, 12417), (473, 12510), (485,

12588), (499, 12711), (516, 12816), (522, 12864), (546, 13284), (547, 13293), (549, 13323), (576, 13488), (592, 13617), (607, 13710),

Gene: Frosty24_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Frosty24_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Ganymede_22 Start: 12096, Stop: 15929, Start Num: 14

Candidate Starts for Ganymede_22:

(Start: 14 @12096 has 161 MA's), (23, 12165), (29, 12252), (57, 12429), (63, 12456), (79, 12540), (80, 12549), (90, 12621), (103, 12696), (122, 12780), (124, 12789), (127, 12810), (133, 12849), (144, 12927), (156, 13005), (168, 13095), (177, 13170), (191, 13263), (195, 13284), (196, 13293), (239, 13530), (248, 13569), (254, 13602), (269, 13689), (275, 13713), (289, 13797), (299, 13881), (302, 13893), (306, 13914), (351, 14070), (385, 14151), (394, 14199), (397, 14217), (401, 14238), (405, 14274), (409, 14325), (420, 14382), (430, 14460), (432, 14469), (451, 14547), (460, 14604), (471, 14658), (499, 14898), (512, 14973), (526, 15084), (537, 15303), (539, 15315), (554, 15498), (555, 15507), (565, 15579), (573, 15609), (578, 15630), (592, 15750), (604, 15822), (606, 15840), (607, 15846),

Gene: Gengar_19 Start: 12162, Stop: 16271, Start Num: 13

Candidate Starts for Gengar_19:

(Start: 13 @12162 has 28 MA's), (39, 12420), (59, 12504), (76, 12570), (80, 12618), (89, 12678), (90, 12690), (95, 12711), (103, 12765), (110, 12795), (124, 12858), (127, 12879), (135, 12936), (144, 12996), (156, 13074), (159, 13098), (165, 13140), (170, 13173), (191, 13332), (195, 13353), (214, 13431), (223, 13494), (225, 13509), (226, 13512), (229, 13521), (231, 13527), (233, 13539), (239, 13575), (242, 13593), (263, 13695), (269, 13734), (294, 13887), (300, 13929), (305, 13953), (316, 14043), (318, 14076), (325, 14142), (334, 14217), (336, 14226), (340, 14244), (345, 14271), (357, 14349), (375, 14433), (392, 14556), (402, 14622), (417, 14724), (430, 14817), (437, 14847), (443, 14874), (445, 14880), (456, 14931), (457, 14952), (461, 14967), (462, 14973), (473, 15057), (475, 15087), (480, 15105), (486, 15144), (493, 15204), (494, 15237), (498, 15258), (503, 15282), (507, 15315), (520, 15399), (528, 15471), (546, 15780), (550, 15834), (552, 15849), (554, 15861), (559, 15891), (589, 16077), (592, 16101), (594, 16113), (608, 16200), (610, 16224),

Gene: Geraldini_21 Start: 12092, Stop: 15925, Start Num: 14

Candidate Starts for Geraldini_21:

(Start: 14 @12092 has 161 MA's), (23, 12161), (24, 12182), (29, 12248), (57, 12425), (63, 12452), (78, 12524), (79, 12536), (80, 12545), (90, 12617), (103, 12692), (122, 12776), (124, 12785), (127, 12806), (133, 12845), (144, 12923), (156, 13001), (168, 13091), (177, 13166), (191, 13259), (193, 13268), (195, 13280), (196, 13289), (239, 13526), (248, 13565), (254, 13598), (269, 13685), (275, 13709), (289, 13793), (299, 13877), (302, 13889), (306, 13910), (351, 14066), (385, 14147), (394, 14195), (397, 14213), (401, 14234), (405, 14270), (409, 14321), (420, 14378), (430, 14456), (432, 14465), (451, 14543), (454, 14558), (460, 14600), (471, 14654), (499, 14894), (512, 14969), (526, 15080), (537, 15299), (539, 15311), (554, 15494), (555, 15503), (565, 15575), (573, 15605), (578, 15626), (592, 15746), (604, 15818), (606, 15836), (607, 15842),

Gene: Gideon_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Gideon_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: GoldenAsh_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for GoldenAsh_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Gomashi_16 Start: 11465, Stop: 15478, Start Num: 14

Candidate Starts for Gomashi_16:

(Start: 14 @11465 has 161 MA's), (33, 11666), (53, 11780), (63, 11822), (71, 11852), (90, 11987), (93, 11999), (95, 12008), (130, 12197), (133, 12215), (134, 12218), (136, 12239), (137, 12251), (148, 12323), (156, 12371), (174, 12503), (176, 12527), (187, 12608), (212, 12731), (223, 12815), (232, 12851), (239, 12896), (240, 12902), (261, 13010), (265, 13034), (269, 13055), (305, 13274), (321, 13424), (330, 13511), (350, 13619), (375, 13754), (390, 13865), (394, 13883), (400, 13913), (428, 14135), (435, 14159), (438, 14174), (442, 14195), (451, 14222), (456, 14249), (467, 14309), (474, 14399), (481, 14432), (492, 14495), (495, 14552), (499, 14585), (501, 14594), (548, 15098), (549, 15125), (552, 15155), (554, 15167), (555, 15176), (565, 15245), (584, 15326), (590, 15386), (593, 15404), (595, 15413),

Gene: Grizzly_16 Start: 11464, Stop: 15480, Start Num: 14

Candidate Starts for Grizzly_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (61, 11812), (63, 11821), (71, 11851), (90, 11986), (95, 12007), (124, 12154), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (229, 12841), (232, 12850), (240, 12901), (245, 12925), (251, 12952), (269, 13054), (303, 13261), (305, 13273), (320, 13420), (321, 13423), (350, 13618), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (444, 14197), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (484, 14446), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15100), (549, 15127), (552, 15157), (554, 15169), (555, 15178), (565, 15247), (584, 15328), (590, 15388), (593, 15406), (595, 15415),

Gene: Guanica15_21 Start: 11016, Stop: 15143, Start Num: 15

Candidate Starts for Guanica15_21:

(9, 10968), (Start: 15 @11016 has 37 MA's), (26, 11109), (38, 11241), (41, 11265), (47, 11295), (52, 11316), (55, 11328), (69, 11388), (82, 11475), (88, 11508), (91, 11526), (92, 11529), (105, 11601), (134, 11745), (138, 11787), (141, 11802), (147, 11838), (157, 11910), (173, 12012), (198, 12195),

(204, 12222), (209, 12240), (210, 12246), (215, 12288), (228, 12360), (230, 12366), (233, 12381), (237, 12402), (240, 12420), (243, 12435), (253, 12483), (260, 12516), (263, 12531), (269, 12570), (274, 12591), (280, 12621), (304, 12789), (307, 12840), (327, 13005), (329, 13029), (340, 13086), (349, 13137), (354, 13170), (356, 13179), (369, 13251), (381, 13326), (384, 13344), (390, 13386), (394, 13404), (399, 13431), (401, 13443), (416, 13572), (421, 13590), (430, 13671), (431, 13674), (451, 13758), (459, 13812), (460, 13815), (473, 13908), (482, 13974), (499, 14109), (519, 14235), (546, 14631), (547, 14640), (554, 14712), (565, 14796), (592, 14964), (604, 15036), (607, 15060), (611, 15099),

Gene: Guillsminger_19 Start: 12137, Stop: 16246, Start Num: 13

Candidate Starts for Guillsminger_19:

(Start: 13 @12137 has 28 MA's), (39, 12395), (59, 12479), (76, 12545), (80, 12593), (89, 12653), (90, 12665), (95, 12686), (103, 12740), (110, 12770), (124, 12833), (127, 12854), (135, 12911), (144, 12971), (156, 13049), (159, 13073), (165, 13115), (170, 13148), (191, 13307), (195, 13328), (214, 13406), (223, 13469), (225, 13484), (226, 13487), (229, 13496), (231, 13502), (233, 13514), (239, 13550), (242, 13568), (263, 13670), (269, 13709), (294, 13862), (300, 13904), (305, 13928), (316, 14018), (318, 14051), (325, 14117), (334, 14192), (336, 14201), (340, 14219), (345, 14246), (357, 14324), (375, 14408), (392, 14531), (402, 14597), (417, 14699), (430, 14792), (437, 14822), (443, 14849), (445, 14855), (456, 14906), (457, 14927), (461, 14942), (462, 14948), (473, 15032), (475, 15062), (480, 15080), (486, 15119), (493, 15179), (494, 15212), (498, 15233), (503, 15257), (507, 15290), (520, 15374), (528, 15446), (546, 15755), (550, 15809), (552, 15824), (554, 15836), (559, 15866), (589, 16052), (592, 16076), (594, 16088), (608, 16175), (610, 16199),

Gene: Halo_16 Start: 11459, Stop: 15472, Start Num: 14

Candidate Starts for Halo_16:

(Start: 14 @11459 has 161 MA's), (33, 11660), (53, 11774), (63, 11816), (71, 11846), (90, 11981), (93, 11993), (95, 12002), (130, 12191), (133, 12209), (134, 12212), (136, 12233), (137, 12245), (148, 12317), (156, 12365), (174, 12497), (176, 12521), (187, 12602), (212, 12725), (223, 12809), (232, 12845), (239, 12890), (240, 12896), (261, 13004), (265, 13028), (269, 13049), (305, 13268), (321, 13418), (330, 13505), (350, 13613), (375, 13748), (390, 13859), (394, 13877), (400, 13907), (428, 14129), (435, 14153), (438, 14168), (442, 14189), (451, 14216), (456, 14243), (467, 14303), (474, 14393), (481, 14426), (492, 14489), (495, 14546), (499, 14579), (501, 14588), (548, 15092), (549, 15119), (552, 15149), (554, 15161), (555, 15170), (565, 15239), (584, 15320), (590, 15380), (593, 15398), (595, 15407),

Gene: Hammy_20 Start: 12190, Stop: 16329, Start Num: 14

Candidate Starts for Hammy_20:

(9, 12145), (Start: 14 @12190 has 161 MA's), (23, 12259), (29, 12346), (37, 12421), (57, 12523), (59, 12529), (63, 12550), (72, 12583), (76, 12595), (79, 12634), (80, 12643), (89, 12703), (90, 12715), (95, 12736), (103, 12790), (110, 12820), (124, 12883), (127, 12904), (133, 12943), (144, 13021), (156, 13099), (159, 13123), (183, 13297), (187, 13336), (188, 13345), (189, 13348), (195, 13378), (217, 13501), (220, 13516), (224, 13555), (235, 13600), (239, 13624), (260, 13726), (261, 13738), (263, 13744), (269, 13783), (288, 13909), (291, 13924), (295, 13960), (297, 13972), (304, 14017), (316, 14113), (344, 14332), (351, 14371), (353, 14392), (369, 14479), (375, 14503), (378, 14530), (379, 14533), (383, 14563), (390, 14614), (397, 14650), (409, 14758), (430, 14893), (431, 14896), (447, 14962), (449, 14968), (456, 15007), (466, 15079), (468, 15085), (471, 15106), (478, 15190), (483, 15220), (487, 15241), (488, 15253), (496, 15334), (500, 15367), (502, 15376), (504, 15382), (510, 15424), (514, 15442), (517, 15475), (518, 15481), (527, 15526), (537, 15736), (546, 15835), (547, 15844), (548, 15847), (554, 15916), (578, 16051), (585, 16120), (592, 16168), (607, 16264), (611, 16303),

Gene: HedwigODU_21 Start: 12079, Stop: 15918, Start Num: 14

Candidate Starts for HedwigODU_21:

(Start: 14 @12079 has 161 MA's), (23, 12148), (29, 12235), (57, 12412), (63, 12439), (78, 12511), (79, 12523), (80, 12532), (90, 12604), (103, 12679), (122, 12763), (124, 12772), (127, 12793), (133, 12832), (144, 12910), (156, 12988), (168, 13078), (177, 13153), (191, 13246), (193, 13255), (195, 13267), (196, 13276), (244, 13537), (248, 13552), (254, 13585), (269, 13672), (275, 13696), (289, 13780), (299, 13864), (302, 13876), (306, 13897), (351, 14053), (385, 14134), (394, 14182), (397, 14200), (401, 14221), (405, 14257), (409, 14308), (420, 14365), (430, 14443), (432, 14452), (451, 14530), (460, 14587), (471, 14641), (499, 14881), (512, 14956), (526, 15067), (537, 15286), (539, 15298), (554, 15487), (555, 15496), (565, 15568), (573, 15598), (578, 15619), (592, 15739), (604, 15811), (606, 15829), (607, 15835),

Gene: Heftyboy_19 Start: 12264, Stop: 16394, Start Num: 13

Candidate Starts for Heftyboy_19:

(Start: 13 @12264 has 28 MA's), (24, 12357), (30, 12435), (32, 12459), (39, 12519), (59, 12603), (61, 12615), (80, 12717), (89, 12777), (90, 12789), (95, 12810), (103, 12864), (114, 12912), (124, 12957), (127, 12978), (144, 13095), (156, 13173), (159, 13197), (168, 13263), (177, 13338), (191, 13431), (196, 13461), (226, 13635), (229, 13644), (235, 13674), (239, 13698), (243, 13719), (255, 13779), (269, 13857), (271, 13866), (285, 13944), (294, 14010), (300, 14052), (302, 14061), (309, 14145), (316, 14166), (318, 14199), (334, 14340), (336, 14349), (340, 14367), (345, 14394), (357, 14472), (375, 14556), (392, 14679), (402, 14745), (430, 14940), (437, 14970), (443, 14997), (445, 15003), (452, 15030), (457, 15075), (461, 15090), (462, 15096), (473, 15180), (480, 15228), (486, 15267), (493, 15327), (494, 15360), (498, 15381), (503, 15405), (507, 15438), (520, 15522), (528, 15594), (546, 15903), (550, 15957), (552, 15972), (554, 15984), (559, 16014), (589, 16200), (592, 16224), (594, 16236), (608, 16323), (610, 16347),

Gene: Homura_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Homura_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (524, 15089), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: Hope_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Hope_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Hotshotbaby7_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Hotshotbaby7_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232,

12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Hurricane_20 Start: 12208, Stop: 16356, Start Num: 14

Candidate Starts for Hurricane_20:

(Start: 14 @12208 has 161 MA's), (23, 12277), (24, 12298), (26, 12304), (29, 12364), (48, 12502), (59, 12547), (63, 12568), (68, 12589), (78, 12640), (89, 12721), (90, 12733), (95, 12754), (103, 12808), (113, 12850), (124, 12901), (127, 12922), (129, 12940), (134, 12964), (140, 13015), (144, 13039), (151, 13084), (156, 13117), (159, 13141), (183, 13315), (191, 13375), (195, 13396), (196, 13405), (224, 13573), (231, 13594), (235, 13618), (239, 13642), (243, 13663), (248, 13681), (252, 13702), (254, 13714), (261, 13756), (262, 13759), (269, 13801), (272, 13816), (283, 13879), (297, 13990), (301, 14020), (308, 14098), (324, 14218), (327, 14251), (342, 14341), (345, 14359), (351, 14389), (354, 14416), (390, 14632), (397, 14668), (406, 14743), (409, 14776), (411, 14788), (421, 14836), (430, 14917), (431, 14920), (460, 15037), (473, 15130), (485, 15208), (497, 15307), (499, 15331), (512, 15406), (546, 15865), (547, 15874), (548, 15877), (554, 15946), (555, 15955), (578, 16087), (586, 16147), (588, 16165), (594, 16201), (596, 16210), (606, 16276), (607, 16282), (609, 16297), (610, 16309),

Gene: Hyperbowlee_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Hyperbowlee_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: Illumine_21 Start: 12077, Stop: 15931, Start Num: 14

Candidate Starts for Illumine_21:

(Start: 14 @12077 has 161 MA's), (23, 12146), (29, 12233), (57, 12413), (63, 12440), (79, 12524), (80, 12533), (89, 12593), (90, 12605), (103, 12680), (113, 12722), (122, 12764), (124, 12773), (127, 12794), (133, 12833), (144, 12911), (150, 12953), (156, 12989), (177, 13154), (191, 13247), (195, 13268), (196, 13277), (244, 13559), (248, 13574), (254, 13607), (269, 13694), (289, 13802), (299, 13886), (302, 13898), (306, 13919), (351, 14075), (385, 14156), (394, 14204), (397, 14222), (401, 14243), (405, 14279), (409, 14330), (420, 14387), (430, 14465), (432, 14474), (451, 14552), (454, 14567), (460, 14609), (471, 14663), (485, 14780), (499, 14903), (512, 14978), (529, 15131), (537, 15308), (546, 15422), (554, 15503), (555, 15512), (565, 15584), (573, 15614), (578, 15635), (592, 15752), (604, 15824), (607, 15848),

Gene: Inky_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Inky_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171),

(394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480),
(432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993),
(526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629),
(578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: InvictusManeo_19 Start: 12240, Stop: 16346, Start Num: 13

Candidate Starts for InvictusManeo_19:

(Start: 13 @12240 has 28 MA's), (24, 12333), (30, 12411), (32, 12435), (39, 12495), (59, 12579), (61,
12591), (80, 12693), (89, 12753), (90, 12765), (95, 12786), (103, 12840), (114, 12888), (124, 12933),
(127, 12954), (144, 13071), (156, 13149), (159, 13173), (168, 13239), (177, 13314), (191, 13407),
(196, 13437), (226, 13611), (229, 13620), (235, 13650), (239, 13674), (243, 13695), (255, 13755),
(269, 13833), (271, 13842), (285, 13920), (294, 13986), (300, 14028), (302, 14037), (309, 14121),
(316, 14142), (318, 14175), (325, 14241), (327, 14262), (334, 14316), (336, 14325), (340, 14343),
(344, 14361), (345, 14370), (351, 14400), (356, 14436), (365, 14490), (373, 14526), (375, 14532),
(377, 14550), (392, 14655), (402, 14721), (430, 14916), (437, 14946), (445, 14979), (456, 15030),
(457, 15051), (461, 15066), (462, 15072), (473, 15156), (480, 15204), (486, 15243), (493, 15303),
(494, 15336), (498, 15357), (503, 15381), (507, 15411), (520, 15477), (528, 15549), (546, 15864),
(547, 15873), (548, 15876), (550, 15918), (554, 15945), (559, 15975), (565, 16026), (569, 16044),
(584, 16110), (589, 16158), (592, 16182), (594, 16194), (608, 16275), (610, 16299), (615, 16338),

Gene: JAWS_21 Start: 12070, Stop: 15903, Start Num: 14

Candidate Starts for JAWS_21:

(Start: 14 @12070 has 161 MA's), (23, 12139), (29, 12226), (37, 12301), (57, 12403), (63, 12430), (78,
12502), (79, 12514), (80, 12523), (90, 12595), (103, 12670), (122, 12754), (124, 12763), (127, 12784),
(133, 12823), (137, 12859), (144, 12901), (156, 12979), (168, 13069), (177, 13144), (191, 13237),
(193, 13246), (195, 13258), (196, 13267), (239, 13504), (248, 13543), (254, 13576), (269, 13663),
(275, 13687), (289, 13771), (299, 13855), (302, 13867), (306, 13888), (351, 14044), (385, 14125),
(394, 14173), (397, 14191), (401, 14212), (405, 14248), (409, 14299), (420, 14356), (430, 14434),
(432, 14443), (451, 14521), (454, 14536), (460, 14578), (471, 14632), (499, 14872), (512, 14947),
(526, 15058), (537, 15277), (539, 15289), (554, 15472), (555, 15481), (565, 15553), (573, 15583),
(578, 15604), (592, 15724), (604, 15796), (606, 15814), (607, 15820),

Gene: Jane_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Jane_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93,
11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148,
12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232,
12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321,
13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428,
14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474,
14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549,
15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593,
15403), (595, 15412),

Gene: Jarvi_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Jarvi_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78,
12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830),
(133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283),
(193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709),
(275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171),
(394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480),
(432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993),

(526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: Jayhawk_21 Start: 12080, Stop: 15916, Start Num: 14

Candidate Starts for Jayhawk_21:

(Start: 14 @12080 has 161 MA's), (23, 12149), (29, 12236), (57, 12413), (63, 12440), (78, 12512), (79, 12524), (80, 12533), (90, 12605), (103, 12680), (122, 12764), (124, 12773), (127, 12794), (133, 12833), (144, 12911), (156, 12989), (168, 13079), (177, 13154), (191, 13247), (193, 13256), (195, 13268), (196, 13277), (244, 13538), (248, 13553), (254, 13586), (269, 13673), (275, 13697), (289, 13781), (299, 13865), (302, 13877), (306, 13898), (351, 14054), (385, 14135), (394, 14183), (397, 14201), (401, 14222), (405, 14258), (409, 14309), (420, 14366), (430, 14444), (432, 14453), (451, 14531), (460, 14588), (471, 14642), (499, 14882), (512, 14957), (526, 15068), (537, 15287), (539, 15299), (554, 15485), (555, 15494), (565, 15566), (573, 15596), (578, 15617), (592, 15737), (604, 15809), (606, 15827), (607, 15833),

Gene: Jeckyll_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Jeckyll_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: Jolene_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Jolene_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Jolie2_16 Start: 10765, Stop: 14787, Start Num: 15

Candidate Starts for Jolie2_16:

(Start: 15 @10765 has 37 MA's), (23, 10834), (26, 10861), (35, 10975), (60, 11098), (64, 11122), (65, 11125), (74, 11158), (75, 11161), (79, 11203), (80, 11212), (101, 11344), (106, 11368), (111, 11386), (120, 11431), (126, 11455), (127, 11467), (134, 11509), (138, 11551), (146, 11596), (147, 11602), (156, 11665), (157, 11674), (158, 11686), (161, 11695), (165, 11728), (173, 11776), (198, 11953), (206, 11986), (207, 11989), (210, 12004), (230, 12124), (233, 12139), (236, 12157), (237, 12160), (243, 12193), (250, 12220), (258, 12265), (263, 12289), (265, 12307), (269, 12328), (286, 12424), (296, 12496), (321, 12703), (326, 12754), (340, 12844), (342, 12853), (345, 12871), (349, 12895), (351, 12901), (361, 12961), (368, 13006), (369, 13009), (371, 13015), (383, 13093), (388, 13126), (401, 13201), (428, 13414), (434, 13435), (435, 13438), (438, 13453), (446, 13486), (470, 13588), (477, 13678), (492, 13771), (494, 13825), (495, 13828), (499, 13861), (503, 13876), (508, 13915), (515, 13942), (529, 14080), (535, 14200), (541, 14287), (552, 14443), (554, 14455), (562, 14539), (571, 14578), (593, 14713),

Gene: Jonghyun_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Jonghyun_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: JorRay_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for JorRay_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Joy99_21 Start: 12045, Stop: 15878, Start Num: 14

Candidate Starts for Joy99_21:

(Start: 14 @12045 has 161 MA's), (23, 12114), (24, 12135), (29, 12201), (57, 12378), (63, 12405), (78, 12477), (79, 12489), (80, 12498), (90, 12570), (103, 12645), (122, 12729), (124, 12738), (127, 12759), (133, 12798), (144, 12876), (156, 12954), (168, 13044), (177, 13119), (191, 13212), (193, 13221), (195, 13233), (196, 13242), (239, 13479), (248, 13518), (254, 13551), (269, 13638), (275, 13662), (289, 13746), (299, 13830), (302, 13842), (306, 13863), (351, 14019), (385, 14100), (394, 14148), (397, 14166), (401, 14187), (405, 14223), (409, 14274), (420, 14331), (430, 14409), (432, 14418), (451, 14496), (454, 14511), (460, 14553), (471, 14607), (499, 14847), (512, 14922), (526, 15033), (537, 15252), (539, 15264), (554, 15447), (555, 15456), (565, 15528), (573, 15558), (578, 15579), (592, 15699), (604, 15771), (606, 15789), (607, 15795),

Gene: Kareem_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Kareem_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Kasen3_16 Start: 11465, Stop: 15478, Start Num: 14

Candidate Starts for Kasen3_16:

(Start: 14 @11465 has 161 MA's), (33, 11666), (53, 11780), (63, 11822), (71, 11852), (90, 11987), (93, 11999), (95, 12008), (130, 12197), (133, 12215), (134, 12218), (136, 12239), (137, 12251), (148,

12323), (156, 12371), (174, 12503), (176, 12527), (187, 12608), (212, 12731), (223, 12815), (232, 12851), (239, 12896), (240, 12902), (261, 13010), (265, 13034), (269, 13055), (305, 13274), (321, 13424), (330, 13511), (350, 13619), (375, 13754), (390, 13865), (394, 13883), (400, 13913), (428, 14135), (435, 14159), (438, 14174), (442, 14195), (451, 14222), (456, 14249), (467, 14309), (474, 14399), (481, 14432), (492, 14495), (495, 14552), (499, 14585), (501, 14594), (548, 15098), (549, 15125), (552, 15155), (554, 15167), (555, 15176), (565, 15245), (584, 15326), (590, 15386), (593, 15404), (595, 15413),

Gene: Keshu_20 Start: 12188, Stop: 16348, Start Num: 14

Candidate Starts for Keshu_20:

(Start: 14 @12188 has 161 MA's), (23, 12257), (24, 12278), (26, 12284), (29, 12344), (48, 12482), (53, 12506), (59, 12527), (63, 12548), (68, 12569), (89, 12701), (90, 12713), (95, 12734), (103, 12788), (110, 12818), (115, 12839), (122, 12872), (124, 12881), (127, 12902), (133, 12941), (144, 13019), (150, 13061), (156, 13097), (159, 13121), (183, 13295), (187, 13334), (191, 13355), (195, 13376), (196, 13385), (231, 13574), (235, 13598), (239, 13622), (243, 13643), (248, 13661), (254, 13694), (255, 13703), (261, 13736), (262, 13739), (263, 13742), (269, 13781), (271, 13790), (283, 13859), (297, 13970), (301, 14000), (308, 14078), (324, 14198), (327, 14231), (342, 14321), (345, 14339), (351, 14369), (354, 14396), (375, 14501), (379, 14531), (397, 14648), (405, 14705), (406, 14723), (408, 14744), (409, 14756), (421, 14816), (430, 14897), (431, 14900), (453, 14990), (460, 15020), (473, 15113), (485, 15191), (499, 15314), (512, 15389), (546, 15854), (548, 15866), (554, 15935), (555, 15944), (559, 15965), (586, 16139), (588, 16157), (594, 16193), (596, 16202), (606, 16268), (607, 16274), (609, 16289), (610, 16301),

Gene: KiSi_20 Start: 11011, Stop: 15084, Start Num: 15

Candidate Starts for KiSi_20:

(Start: 15 @11011 has 37 MA's), (26, 11104), (42, 11263), (43, 11272), (45, 11281), (66, 11374), (79, 11443), (80, 11452), (81, 11464), (82, 11470), (88, 11503), (95, 11539), (104, 11596), (106, 11608), (118, 11662), (125, 11692), (138, 11779), (141, 11794), (147, 11830), (173, 12004), (198, 12187), (200, 12196), (210, 12238), (215, 12280), (224, 12340), (228, 12352), (230, 12358), (233, 12373), (236, 12391), (237, 12394), (243, 12427), (267, 12550), (269, 12562), (270, 12568), (274, 12583), (276, 12589), (300, 12673), (308, 12754), (327, 12907), (343, 13003), (345, 13015), (351, 13045), (359, 13096), (362, 13117), (367, 13147), (369, 13153), (375, 13177), (383, 13237), (390, 13288), (399, 13333), (406, 13399), (409, 13432), (420, 13489), (430, 13567), (431, 13570), (451, 13654), (456, 13681), (460, 13711), (471, 13765), (473, 13804), (499, 14005), (512, 14080), (535, 14365), (537, 14422), (554, 14623), (567, 14737), (592, 14914), (604, 14998), (607, 15019),

Gene: Kratio_18 Start: 11868, Stop: 15977, Start Num: 13

Candidate Starts for Kratio_18:

(Start: 13 @11868 has 28 MA's), (24, 11961), (30, 12039), (32, 12063), (39, 12123), (59, 12207), (76, 12273), (80, 12321), (89, 12381), (90, 12393), (95, 12414), (103, 12468), (114, 12516), (124, 12561), (127, 12582), (144, 12699), (156, 12777), (159, 12801), (168, 12867), (177, 12942), (191, 13035), (196, 13065), (226, 13239), (229, 13248), (235, 13278), (239, 13302), (243, 13323), (255, 13383), (269, 13461), (271, 13470), (285, 13548), (294, 13614), (300, 13656), (309, 13749), (316, 13770), (318, 13803), (325, 13869), (327, 13890), (334, 13944), (336, 13953), (340, 13971), (344, 13989), (345, 13998), (351, 14028), (356, 14064), (373, 14154), (375, 14160), (377, 14178), (392, 14283), (402, 14349), (430, 14544), (437, 14574), (445, 14607), (456, 14658), (457, 14679), (461, 14694), (462, 14700), (473, 14784), (480, 14832), (486, 14871), (493, 14931), (494, 14964), (498, 14985), (503, 15009), (520, 15105), (528, 15177), (546, 15492), (547, 15501), (548, 15504), (550, 15546), (552, 15561), (554, 15573), (559, 15603), (565, 15654), (569, 15672), (589, 15789), (592, 15813), (594, 15825), (608, 15906), (610, 15930), (615, 15969),

Gene: Krueger_20 Start: 11051, Stop: 15055, Start Num: 15

Candidate Starts for Krueger_20:

(Start: 15 @11051 has 37 MA's), (26, 11144), (34, 11249), (42, 11303), (45, 11321), (50, 11339), (56, 11369), (62, 11396), (64, 11402), (77, 11447), (88, 11543), (91, 11561), (92, 11564), (116, 11678), (118, 11693), (138, 11810), (141, 11825), (153, 11906), (163, 11966), (164, 11975), (173, 12035), (198, 12218), (199, 12224), (211, 12281), (224, 12371), (228, 12383), (230, 12389), (233, 12404), (237, 12425), (240, 12443), (255, 12518), (262, 12551), (267, 12581), (269, 12593), (274, 12614), (281, 12653), (298, 12698), (302, 12713), (320, 12875), (327, 12938), (330, 12965), (344, 13037), (351, 13076), (359, 13127), (362, 13148), (367, 13178), (369, 13184), (375, 13208), (381, 13259), (389, 13313), (397, 13355), (401, 13376), (405, 13412), (409, 13463), (430, 13604), (431, 13607), (451, 13691), (456, 13718), (471, 13802), (499, 14042), (512, 14117), (546, 14555), (547, 14564), (554, 14636), (555, 14645), (565, 14720), (573, 14750), (578, 14771), (592, 14888), (604, 14963), (609, 15002), (610, 15014),

Gene: Larva_19 Start: 11980, Stop: 16092, Start Num: 13

Candidate Starts for Larva_19:

(Start: 13 @11980 has 28 MA's), (24, 12073), (30, 12151), (32, 12175), (39, 12235), (59, 12319), (80, 12433), (89, 12493), (90, 12505), (95, 12526), (103, 12580), (114, 12628), (124, 12673), (127, 12694), (144, 12811), (156, 12889), (159, 12913), (168, 12979), (177, 13054), (191, 13147), (196, 13177), (226, 13351), (235, 13390), (239, 13414), (243, 13435), (255, 13495), (269, 13573), (285, 13660), (294, 13726), (300, 13768), (302, 13777), (309, 13861), (316, 13882), (318, 13915), (325, 13981), (327, 14002), (334, 14056), (336, 14065), (340, 14083), (345, 14110), (351, 14140), (356, 14176), (373, 14266), (375, 14272), (377, 14290), (392, 14395), (402, 14461), (430, 14656), (437, 14686), (445, 14719), (456, 14770), (457, 14791), (461, 14806), (462, 14812), (473, 14896), (480, 14944), (486, 14983), (493, 15043), (494, 15076), (498, 15097), (503, 15121), (507, 15151), (520, 15217), (528, 15289), (546, 15604), (547, 15613), (548, 15616), (549, 15643), (550, 15658), (552, 15673), (554, 15685), (559, 15715), (565, 15769), (569, 15787), (584, 15856), (589, 15904), (592, 15928), (594, 15940), (596, 15949), (608, 16021), (610, 16045), (615, 16084),

Gene: LastHope_21 Start: 11090, Stop: 15217, Start Num: 15

Candidate Starts for LastHope_21:

(9, 11042), (Start: 15 @11090 has 37 MA's), (26, 11183), (38, 11315), (41, 11339), (47, 11369), (52, 11390), (55, 11402), (56, 11408), (62, 11435), (69, 11462), (82, 11549), (88, 11582), (91, 11600), (92, 11603), (98, 11645), (110, 11693), (134, 11819), (138, 11861), (141, 11876), (147, 11912), (157, 11984), (173, 12086), (191, 12224), (198, 12269), (208, 12311), (209, 12314), (210, 12320), (211, 12332), (215, 12362), (224, 12422), (230, 12440), (233, 12455), (236, 12473), (237, 12476), (243, 12509), (260, 12590), (263, 12605), (269, 12644), (274, 12665), (299, 12842), (302, 12854), (307, 12914), (315, 12956), (327, 13079), (329, 13103), (340, 13160), (343, 13175), (344, 13178), (354, 13244), (356, 13253), (361, 13277), (369, 13325), (381, 13400), (384, 13418), (394, 13478), (399, 13505), (401, 13517), (405, 13553), (406, 13571), (412, 13616), (416, 13646), (421, 13664), (430, 13745), (431, 13748), (451, 13832), (454, 13847), (459, 13886), (460, 13889), (473, 13982), (482, 14048), (499, 14183), (535, 14534), (546, 14705), (554, 14786), (559, 14816), (565, 14870), (592, 15038), (604, 15110), (606, 15128), (607, 15134),

Gene: LaterM_21 Start: 12043, Stop: 15876, Start Num: 14

Candidate Starts for LaterM_21:

(Start: 14 @12043 has 161 MA's), (23, 12112), (29, 12199), (57, 12379), (63, 12406), (79, 12490), (80, 12499), (89, 12559), (90, 12571), (103, 12646), (113, 12688), (122, 12730), (124, 12739), (127, 12760), (133, 12799), (144, 12877), (156, 12955), (177, 13120), (191, 13213), (195, 13234), (196, 13243), (239, 13480), (244, 13504), (248, 13519), (254, 13552), (269, 13639), (289, 13747), (299, 13831), (302, 13843), (306, 13864), (315, 13945), (351, 14020), (385, 14101), (387, 14110), (394, 14149), (397, 14167), (401, 14188), (405, 14224), (409, 14275), (420, 14332), (430, 14410), (432, 14419), (451, 14497), (454, 14512), (460, 14554), (471, 14608), (499, 14848), (512, 14923), (526, 15034), (537, 15253), (546, 15367), (554, 15448), (555, 15457), (565, 15529), (573, 15559), (578, 15580), (592, 15697), (604, 15769), (607, 15793),

Gene: LeMond_20 Start: 11082, Stop: 15155, Start Num: 15

Candidate Starts for LeMond_20:

(Start: 15 @11082 has 37 MA's), (26, 11175), (38, 11307), (66, 11445), (80, 11523), (81, 11535), (82, 11541), (88, 11574), (95, 11610), (104, 11667), (106, 11679), (118, 11733), (125, 11763), (138, 11850), (141, 11865), (147, 11901), (161, 11994), (173, 12075), (198, 12258), (200, 12267), (210, 12309), (215, 12351), (224, 12411), (228, 12423), (230, 12429), (233, 12444), (237, 12465), (243, 12498), (267, 12621), (269, 12633), (270, 12639), (274, 12654), (276, 12660), (300, 12744), (308, 12825), (327, 12978), (343, 13074), (351, 13116), (359, 13167), (362, 13188), (367, 13218), (369, 13224), (375, 13248), (383, 13308), (390, 13359), (399, 13404), (401, 13416), (406, 13470), (409, 13503), (420, 13560), (430, 13638), (431, 13641), (451, 13725), (460, 13782), (471, 13836), (473, 13875), (489, 13980), (499, 14076), (512, 14151), (526, 14274), (537, 14493), (554, 14694), (567, 14808), (592, 14985), (604, 15069), (607, 15090),

Gene: Lea83_21 Start: 12197, Stop: 16345, Start Num: 14

Candidate Starts for Lea83_21:

(Start: 14 @12197 has 161 MA's), (23, 12266), (24, 12287), (26, 12293), (29, 12353), (48, 12491), (59, 12536), (63, 12557), (76, 12602), (89, 12710), (90, 12722), (95, 12743), (103, 12797), (110, 12827), (115, 12848), (122, 12881), (124, 12890), (127, 12911), (133, 12950), (144, 13028), (150, 13070), (156, 13106), (159, 13130), (183, 13304), (191, 13364), (195, 13385), (196, 13394), (224, 13562), (231, 13583), (235, 13607), (239, 13631), (243, 13652), (248, 13670), (254, 13703), (261, 13745), (262, 13748), (263, 13751), (269, 13790), (271, 13799), (283, 13868), (297, 13979), (301, 14009), (324, 14207), (327, 14240), (342, 14330), (345, 14348), (351, 14378), (354, 14405), (390, 14621), (397, 14657), (405, 14714), (406, 14732), (409, 14765), (411, 14777), (421, 14825), (430, 14906), (431, 14909), (460, 15026), (473, 15119), (485, 15197), (497, 15296), (499, 15320), (512, 15395), (546, 15854), (548, 15866), (554, 15935), (555, 15944), (586, 16136), (588, 16154), (594, 16190), (596, 16199), (606, 16265), (607, 16271), (609, 16286), (610, 16298),

Gene: Lemuria_16 Start: 10811, Stop: 14821, Start Num: 15

Candidate Starts for Lemuria_16:

(Start: 15 @10811 has 37 MA's), (26, 10907), (33, 11012), (35, 11021), (60, 11144), (64, 11168), (65, 11171), (74, 11204), (75, 11207), (80, 11258), (85, 11285), (91, 11327), (98, 11372), (107, 11408), (109, 11417), (110, 11420), (111, 11423), (125, 11489), (134, 11546), (138, 11588), (147, 11639), (155, 11699), (157, 11711), (158, 11723), (161, 11732), (173, 11813), (190, 11942), (198, 11990), (205, 12020), (208, 12032), (210, 12041), (215, 12083), (224, 12143), (230, 12161), (233, 12176), (237, 12197), (243, 12230), (250, 12257), (252, 12269), (258, 12302), (263, 12326), (265, 12344), (269, 12365), (286, 12461), (296, 12533), (326, 12791), (329, 12824), (345, 12908), (350, 12935), (355, 12968), (361, 12998), (367, 13040), (369, 13046), (383, 13130), (391, 13184), (406, 13292), (428, 13451), (435, 13475), (438, 13490), (444, 13514), (470, 13625), (476, 13712), (477, 13715), (490, 13802), (492, 13811), (495, 13868), (499, 13901), (508, 13955), (515, 13982), (528, 14096), (541, 14324), (544, 14390), (548, 14426), (552, 14483), (554, 14495), (562, 14573), (571, 14612), (579, 14639), (593, 14747),

Gene: Leston_19 Start: 12267, Stop: 16376, Start Num: 13

Candidate Starts for Leston_19:

(Start: 13 @12267 has 28 MA's), (39, 12525), (59, 12609), (76, 12675), (80, 12723), (89, 12783), (90, 12795), (95, 12816), (103, 12870), (110, 12900), (124, 12963), (127, 12984), (135, 13041), (144, 13101), (156, 13179), (159, 13203), (165, 13245), (170, 13278), (191, 13437), (195, 13458), (214, 13536), (223, 13599), (225, 13614), (226, 13617), (229, 13626), (231, 13632), (233, 13644), (239, 13680), (242, 13698), (263, 13800), (269, 13839), (294, 13992), (300, 14034), (305, 14058), (316, 14148), (318, 14181), (325, 14247), (334, 14322), (336, 14331), (340, 14349), (345, 14376), (357, 14454), (375, 14538), (392, 14661), (402, 14727), (417, 14829), (430, 14922), (437, 14952), (443, 14979), (445, 14985), (456, 15036), (457, 15057), (461, 15072), (462, 15078), (473, 15162), (475,

15192), (480, 15210), (486, 15249), (493, 15309), (494, 15342), (498, 15363), (503, 15387), (507, 15420), (520, 15504), (528, 15576), (546, 15885), (550, 15939), (552, 15954), (554, 15966), (559, 15996), (589, 16182), (592, 16206), (594, 16218), (608, 16305), (610, 16329),

Gene: Liefie_16 Start: 11463, Stop: 15476, Start Num: 14

Candidate Starts for Liefie_16:

(Start: 14 @11463 has 161 MA's), (33, 11664), (51, 11766), (53, 11778), (63, 11820), (68, 11841), (71, 11850), (90, 11985), (93, 11997), (95, 12006), (130, 12195), (133, 12213), (134, 12216), (136, 12237), (137, 12249), (148, 12321), (156, 12369), (174, 12501), (176, 12525), (187, 12606), (212, 12729), (223, 12813), (232, 12849), (239, 12894), (240, 12900), (261, 13008), (265, 13032), (269, 13053), (305, 13272), (321, 13422), (330, 13509), (350, 13617), (375, 13752), (389, 13857), (390, 13863), (394, 13881), (400, 13911), (428, 14133), (435, 14157), (438, 14172), (442, 14193), (456, 14247), (467, 14307), (474, 14397), (481, 14430), (492, 14493), (495, 14550), (499, 14583), (501, 14592), (548, 15096), (549, 15123), (552, 15153), (554, 15165), (555, 15174), (565, 15243), (584, 15324), (590, 15384), (593, 15402), (595, 15411),

Gene: LilPharaoh_17 Start: 11327, Stop: 15460, Start Num: 14

Candidate Starts for LilPharaoh_17:

(10, 11288), (Start: 14 @11327 has 161 MA's), (23, 11396), (29, 11483), (37, 11561), (59, 11669), (63, 11690), (72, 11723), (90, 11855), (94, 11870), (95, 11876), (103, 11930), (110, 11960), (124, 12023), (127, 12044), (133, 12083), (144, 12161), (156, 12239), (159, 12263), (191, 12497), (209, 12578), (216, 12638), (224, 12695), (234, 12731), (239, 12764), (244, 12788), (257, 12854), (259, 12863), (269, 12923), (289, 13031), (294, 13076), (316, 13232), (326, 13343), (327, 13352), (328, 13364), (336, 13415), (340, 13433), (345, 13460), (351, 13490), (366, 13583), (375, 13622), (401, 13790), (406, 13844), (409, 13877), (419, 13922), (430, 14003), (431, 14006), (451, 14090), (453, 14096), (454, 14105), (460, 14147), (469, 14183), (471, 14201), (473, 14240), (481, 14300), (499, 14441), (510, 14501), (512, 14516), (539, 14858), (554, 15047), (555, 15056), (563, 15119), (607, 15395),

Gene: LindNT_21 Start: 12047, Stop: 15883, Start Num: 14

Candidate Starts for LindNT_21:

(Start: 14 @12047 has 161 MA's), (23, 12116), (29, 12203), (57, 12383), (63, 12410), (80, 12503), (89, 12563), (90, 12575), (103, 12650), (115, 12701), (124, 12743), (127, 12764), (133, 12803), (144, 12881), (156, 12959), (159, 12983), (177, 13124), (191, 13217), (193, 13226), (195, 13238), (196, 13247), (239, 13484), (244, 13508), (248, 13523), (254, 13556), (269, 13643), (275, 13667), (289, 13751), (299, 13835), (302, 13847), (306, 13868), (315, 13949), (351, 14024), (385, 14105), (394, 14153), (397, 14171), (400, 14183), (401, 14192), (405, 14228), (409, 14279), (420, 14336), (430, 14414), (432, 14423), (451, 14501), (454, 14516), (460, 14558), (471, 14612), (499, 14852), (512, 14927), (526, 15038), (537, 15257), (539, 15269), (546, 15371), (554, 15452), (555, 15461), (565, 15533), (573, 15563), (578, 15584), (592, 15704), (604, 15776), (606, 15794), (607, 15800),

Gene: Llorens_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Llorens_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: LouisV14_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for LouisV14_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Lunahalos_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Lunahalos_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: MOOREtheMARYer_16 Start: 11710, Stop: 15720, Start Num: 15

Candidate Starts for MOOREtheMARYer_16:

(Start: 15 @11710 has 37 MA's), (26, 11806), (45, 11986), (52, 12016), (58, 12040), (62, 12061), (66, 12079), (82, 12175), (84, 12181), (86, 12196), (88, 12208), (91, 12226), (97, 12268), (98, 12271), (107, 12307), (110, 12319), (117, 12349), (119, 12361), (121, 12370), (134, 12445), (138, 12487), (141, 12502), (147, 12538), (148, 12553), (156, 12601), (157, 12610), (173, 12712), (184, 12796), (192, 12853), (198, 12895), (206, 12928), (207, 12931), (208, 12937), (210, 12946), (215, 12988), (228, 13060), (230, 13066), (233, 13081), (236, 13099), (237, 13102), (250, 13162), (258, 13207), (263, 13231), (265, 13249), (269, 13270), (275, 13294), (277, 13306), (278, 13309), (286, 13366), (296, 13438), (302, 13480), (321, 13645), (330, 13732), (334, 13759), (338, 13780), (351, 13843), (359, 13894), (369, 13951), (375, 13975), (381, 14026), (388, 14068), (406, 14197), (424, 14287), (426, 14302), (427, 14305), (435, 14371), (438, 14386), (455, 14452), (465, 14506), (470, 14521), (474, 14602), (477, 14611), (492, 14704), (495, 14761), (499, 14794), (508, 14848), (511, 14869), (548, 15325), (549, 15352), (551, 15379), (554, 15394), (555, 15403), (565, 15490), (590, 15628), (593, 15646), (596, 15661),

Gene: MacKat_22 Start: 12093, Stop: 15926, Start Num: 14

Candidate Starts for MacKat_22:

(Start: 14 @12093 has 161 MA's), (23, 12162), (29, 12249), (57, 12426), (63, 12453), (79, 12537), (80, 12546), (90, 12618), (103, 12693), (122, 12777), (124, 12786), (127, 12807), (133, 12846), (144, 12924), (156, 13002), (168, 13092), (177, 13167), (191, 13260), (193, 13269), (195, 13281), (196, 13290), (239, 13527), (248, 13566), (254, 13599), (269, 13686), (275, 13710), (289, 13794), (299, 13878), (302, 13890), (306, 13911), (351, 14067), (385, 14148), (389, 14172), (394, 14196), (397, 14214), (401, 14235), (405, 14271), (409, 14322), (420, 14379), (430, 14457), (432, 14466), (451, 14544), (454, 14559), (460, 14601), (471, 14655), (499, 14895), (512, 14970), (526, 15081), (537, 15300), (539, 15312), (554, 15495), (555, 15504), (565, 15576), (573, 15606), (578, 15627), (592, 15747), (604, 15819), (606, 15837), (607, 15843),

Gene: MacnCheese_21 Start: 12433, Stop: 16590, Start Num: 14

Candidate Starts for MacnCheese_21:

(4, 12283), (Start: 14 @12433 has 161 MA's), (24, 12523), (26, 12529), (29, 12589), (53, 12751), (72, 12826), (79, 12877), (80, 12886), (89, 12946), (90, 12958), (95, 12979), (103, 13033), (124, 13126), (127, 13147), (133, 13186), (136, 13210), (144, 13264), (151, 13309), (156, 13342), (159, 13366), (183, 13540), (195, 13621), (224, 13798), (235, 13843), (239, 13867), (243, 13888), (253, 13936), (261, 13981), (265, 14005), (269, 14026), (283, 14104), (293, 14182), (300, 14242), (301, 14245), (304, 14260), (327, 14476), (333, 14524), (342, 14566), (345, 14584), (351, 14614), (353, 14635), (355, 14644), (361, 14674), (375, 14746), (379, 14776), (397, 14893), (401, 14914), (405, 14950), (406, 14968), (409, 15001), (417, 15046), (421, 15061), (430, 15142), (431, 15145), (448, 15214), (451, 15229), (453, 15235), (454, 15244), (471, 15340), (473, 15379), (497, 15556), (499, 15580), (512, 15655), (543, 16069), (546, 16099), (547, 16108), (548, 16111), (555, 16189), (558, 16207), (559, 16210), (586, 16384), (588, 16402), (596, 16447), (602, 16480), (607, 16516), (609, 16531), (610, 16543),

Gene: Maliketh_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Maliketh_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Marcoliusprime_17 Start: 10116, Stop: 13784, Start Num: 13

Candidate Starts for Marcoliusprime_17:

(Start: 13 @10116 has 28 MA's), (23, 10188), (67, 10422), (78, 10473), (90, 10566), (95, 10587), (103, 10641), (124, 10734), (127, 10755), (130, 10776), (131, 10782), (144, 10872), (150, 10914), (156, 10950), (162, 10983), (163, 10995), (166, 11019), (168, 11040), (172, 11064), (173, 11070), (176, 11106), (177, 11115), (183, 11148), (185, 11160), (187, 11187), (223, 11370), (224, 11382), (226, 11388), (232, 11406), (235, 11427), (239, 11451), (244, 11475), (246, 11484), (250, 11499), (260, 11511), (287, 11544), (294, 11592), (311, 11733), (312, 11739), (317, 11775), (323, 11802), (328, 11820), (358, 11946), (380, 12012), (391, 12066), (397, 12099), (401, 12120), (403, 12144), (407, 12174), (410, 12195), (460, 12417), (473, 12510), (485, 12588), (499, 12711), (516, 12816), (522, 12864), (542, 13251), (546, 13281), (547, 13290), (549, 13320), (576, 13485), (592, 13614), (607, 13707),

Gene: MarkPhew_21 Start: 10973, Stop: 15046, Start Num: 15

Candidate Starts for MarkPhew_21:

(2, 10757), (9, 10937), (Start: 15 @10973 has 37 MA's), (26, 11066), (38, 11198), (42, 11225), (43, 11234), (58, 11297), (66, 11336), (71, 11351), (80, 11414), (81, 11426), (88, 11465), (104, 11558), (106, 11570), (118, 11624), (138, 11741), (141, 11756), (147, 11792), (155, 11852), (156, 11855), (163, 11897), (173, 11966), (198, 12149), (210, 12200), (211, 12212), (224, 12302), (228, 12314), (230, 12320), (233, 12335), (240, 12374), (267, 12512), (269, 12524), (270, 12530), (274, 12545), (276, 12551), (327, 12869), (333, 12917), (336, 12932), (345, 12977), (351, 13007), (359, 13058), (362, 13079), (369, 13115), (375, 13139), (401, 13307), (405, 13343), (406, 13361), (409, 13394), (420, 13451), (430, 13529), (431, 13532), (451, 13616), (471, 13727), (473, 13766), (489, 13871), (499, 13967), (512, 14042), (537, 14390), (554, 14588), (592, 14876), (594, 14888), (604, 14960), (607, 14981),

Gene: Marmie_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Marmie_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Marshawn_22 Start: 11657, Stop: 15661, Start Num: 15

Candidate Starts for Marshawn_22:

(1, 11312), (2, 11444), (9, 11621), (Start: 15 @11657 has 37 MA's), (19, 11681), (26, 11750), (42, 11909), (43, 11918), (56, 11975), (79, 12089), (80, 12098), (81, 12110), (86, 12137), (88, 12149), (92, 12170), (105, 12251), (118, 12308), (125, 12338), (138, 12425), (141, 12440), (142, 12449), (147, 12476), (156, 12539), (157, 12548), (173, 12650), (182, 12725), (198, 12833), (206, 12866), (213, 12908), (215, 12926), (224, 12986), (228, 12998), (230, 13004), (233, 13019), (236, 13037), (237, 13040), (240, 13058), (243, 13073), (251, 13109), (260, 13154), (261, 13163), (264, 13178), (267, 13196), (269, 13208), (270, 13214), (274, 13229), (276, 13235), (301, 13322), (315, 13430), (327, 13553), (336, 13616), (345, 13661), (351, 13691), (359, 13742), (369, 13799), (375, 13823), (385, 13904), (394, 13952), (401, 13991), (405, 14027), (409, 14078), (430, 14219), (431, 14222), (451, 14306), (454, 14321), (460, 14363), (473, 14456), (499, 14657), (512, 14732), (523, 14810), (535, 15026), (537, 15083), (548, 15212), (549, 15239), (554, 15281), (565, 15371), (567, 15383), (580, 15422), (600, 15548), (603, 15572), (604, 15575), (607, 15596),

Gene: McMater_21 Start: 11128, Stop: 15282, Start Num: 15

Candidate Starts for McMater_21:

(9, 11086), (Start: 15 @11128 has 37 MA's), (26, 11221), (42, 11380), (47, 11407), (68, 11497), (69, 11500), (82, 11587), (99, 11695), (116, 11764), (119, 11782), (134, 11866), (138, 11908), (141, 11923), (142, 11932), (147, 11959), (156, 12022), (163, 12064), (173, 12133), (180, 12196), (181, 12205), (198, 12319), (199, 12325), (208, 12361), (210, 12370), (211, 12382), (213, 12394), (215, 12412), (224, 12472), (228, 12484), (230, 12490), (233, 12505), (236, 12523), (237, 12526), (240, 12544), (243, 12559), (252, 12598), (263, 12655), (264, 12664), (269, 12694), (274, 12715), (280, 12745), (284, 12778), (296, 12862), (299, 12892), (302, 12904), (315, 13006), (322, 13084), (327, 13129), (329, 13153), (339, 13207), (340, 13210), (343, 13225), (351, 13267), (354, 13294), (356, 13303), (359, 13318), (360, 13324), (361, 13327), (384, 13468), (389, 13504), (390, 13510), (394, 13528), (399, 13555), (401, 13567), (406, 13621), (409, 13654), (421, 13714), (430, 13795), (431, 13798), (451, 13882), (454, 13897), (473, 14032), (482, 14098), (499, 14233), (535, 14584), (554, 14839), (555, 14848), (561, 14914), (592, 15109), (596, 15130), (604, 15181), (606, 15199), (607, 15205), (611, 15244),

Gene: Mdavu_17 Start: 11315, Stop: 15448, Start Num: 14

Candidate Starts for Mdavu_17:

(10, 11276), (Start: 14 @11315 has 161 MA's), (23, 11384), (29, 11471), (37, 11549), (59, 11657), (63, 11678), (72, 11711), (90, 11843), (94, 11858), (95, 11864), (103, 11918), (110, 11948), (124, 12011), (127, 12032), (133, 12071), (144, 12149), (156, 12227), (159, 12251), (191, 12485), (209, 12566), (216, 12626), (224, 12683), (234, 12719), (239, 12752), (244, 12776), (257, 12842), (259, 12851), (269, 12911), (289, 13019), (294, 13064), (316, 13220), (326, 13331), (327, 13340), (328, 13352), (336, 13403), (340, 13421), (345, 13448), (351, 13478), (366, 13571), (375, 13610), (401, 13778), (406, 13832), (409, 13865), (419, 13910), (430, 13991), (431, 13994), (451, 14078), (453, 14084), (454, 14093), (460, 14135), (469, 14171), (471, 14189), (473, 14228), (481, 14288), (499, 14429), (510, 14489), (512, 14504), (539, 14846), (554, 15035), (555, 15044), (563, 15107), (607, 15383),

Gene: MeaningOfLife_21 Start: 12052, Stop: 15885, Start Num: 14

Candidate Starts for MeaningOfLife_21:

(Start: 14 @12052 has 161 MA's), (23, 12121), (24, 12142), (29, 12208), (57, 12385), (63, 12412), (78, 12484), (79, 12496), (80, 12505), (90, 12577), (103, 12652), (122, 12736), (124, 12745), (127, 12766), (133, 12805), (144, 12883), (156, 12961), (168, 13051), (177, 13126), (191, 13219), (193, 13228), (195, 13240), (196, 13249), (239, 13486), (248, 13525), (254, 13558), (269, 13645), (275, 13669), (289, 13753), (299, 13837), (302, 13849), (306, 13870), (351, 14026), (385, 14107), (394, 14155), (397, 14173), (401, 14194), (405, 14230), (409, 14281), (420, 14338), (430, 14416), (432, 14425), (451, 14503), (454, 14518), (460, 14560), (471, 14614), (499, 14854), (512, 14929), (526, 15040), (537, 15259), (539, 15271), (554, 15454), (555, 15463), (565, 15535), (573, 15565), (578, 15586), (592, 15706), (604, 15778), (606, 15796), (607, 15802),

Gene: Megsy_21 Start: 12050, Stop: 15886, Start Num: 14

Candidate Starts for Megsy_21:

(Start: 14 @12050 has 161 MA's), (23, 12119), (29, 12206), (57, 12386), (63, 12413), (80, 12506), (89, 12566), (90, 12578), (103, 12653), (115, 12704), (124, 12746), (127, 12767), (133, 12806), (144, 12884), (156, 12962), (159, 12986), (177, 13127), (191, 13220), (193, 13229), (195, 13241), (196, 13250), (239, 13487), (244, 13511), (248, 13526), (254, 13559), (269, 13646), (275, 13670), (289, 13754), (299, 13838), (302, 13850), (306, 13871), (315, 13952), (351, 14027), (385, 14108), (394, 14156), (397, 14174), (400, 14186), (401, 14195), (405, 14231), (409, 14282), (420, 14339), (430, 14417), (432, 14426), (451, 14504), (454, 14519), (471, 14615), (499, 14855), (512, 14930), (526, 15041), (537, 15260), (539, 15272), (546, 15374), (554, 15455), (555, 15464), (565, 15536), (573, 15566), (578, 15587), (592, 15707), (604, 15779), (606, 15797), (607, 15803),

Gene: Mercurio_17 Start: 11458, Stop: 15474, Start Num: 15

Candidate Starts for Mercurio_17:

(Start: 15 @11458 has 37 MA's), (43, 11725), (60, 11791), (64, 11815), (65, 11818), (71, 11842), (74, 11851), (75, 11854), (80, 11905), (85, 11932), (91, 11974), (98, 12019), (102, 12037), (104, 12040), (110, 12067), (120, 12115), (125, 12136), (134, 12193), (138, 12235), (146, 12280), (147, 12286), (156, 12349), (157, 12358), (158, 12370), (161, 12379), (173, 12460), (198, 12637), (205, 12667), (206, 12670), (210, 12688), (211, 12700), (215, 12730), (221, 12757), (224, 12790), (230, 12808), (233, 12823), (237, 12844), (243, 12877), (250, 12904), (258, 12949), (263, 12973), (265, 12991), (269, 13012), (286, 13108), (293, 13153), (296, 13180), (310, 13309), (326, 13438), (345, 13555), (350, 13582), (355, 13615), (368, 13690), (369, 13693), (383, 13777), (388, 13810), (399, 13873), (428, 14098), (435, 14122), (438, 14137), (444, 14161), (470, 14272), (474, 14353), (477, 14362), (492, 14455), (495, 14512), (499, 14545), (503, 14560), (552, 15139), (554, 15151), (556, 15166), (565, 15238), (579, 15289), (593, 15397),

Gene: Milly_17 Start: 10116, Stop: 13784, Start Num: 13

Candidate Starts for Milly_17:

(Start: 13 @10116 has 28 MA's), (23, 10188), (67, 10422), (78, 10473), (90, 10566), (95, 10587), (103, 10641), (124, 10734), (127, 10755), (130, 10776), (131, 10782), (144, 10872), (150, 10914), (156, 10950), (162, 10983), (163, 10995), (166, 11019), (168, 11040), (172, 11064), (173, 11070), (176, 11106), (177, 11115), (183, 11148), (185, 11160), (187, 11187), (223, 11370), (224, 11382), (226, 11388), (232, 11406), (235, 11427), (239, 11451), (244, 11475), (246, 11484), (250, 11499), (260, 11511), (287, 11544), (294, 11592), (311, 11733), (312, 11739), (317, 11775), (323, 11802), (328, 11820), (341, 11850), (358, 11946), (364, 11979), (380, 12012), (391, 12066), (397, 12099), (401, 12120), (403, 12144), (407, 12174), (410, 12195), (460, 12417), (473, 12510), (485, 12588), (499, 12711), (516, 12816), (522, 12864), (546, 13281), (547, 13290), (549, 13320), (576, 13485), (592, 13614), (607, 13707),

Gene: Miryou_19 Start: 12115, Stop: 16230, Start Num: 13

Candidate Starts for Miryou_19:

(Start: 13 @12115 has 28 MA's), (39, 12373), (59, 12457), (76, 12523), (80, 12571), (89, 12631), (90, 12643), (95, 12664), (103, 12718), (110, 12748), (124, 12811), (127, 12832), (135, 12889), (144, 12949), (150, 12991), (156, 13027), (159, 13051), (165, 13093), (170, 13126), (191, 13285), (195, 13306), (214, 13384), (223, 13447), (225, 13462), (226, 13465), (229, 13474), (231, 13480), (233, 13492), (239, 13528), (242, 13546), (263, 13648), (269, 13687), (294, 13840), (300, 13882), (305, 13906), (316, 13996), (318, 14029), (325, 14095), (334, 14170), (336, 14179), (340, 14197), (345, 14224), (357, 14302), (375, 14386), (392, 14509), (402, 14575), (417, 14677), (430, 14770), (437, 14800), (443, 14827), (445, 14833), (456, 14884), (457, 14905), (461, 14920), (462, 14926), (473, 15010), (475, 15040), (480, 15058), (486, 15097), (493, 15157), (494, 15190), (498, 15211), (503, 15235), (507, 15268), (520, 15352), (528, 15424), (546, 15739), (550, 15793), (552, 15808), (554, 15820), (559, 15850), (589, 16036), (594, 16072), (608, 16159), (610, 16183),

Gene: Mowgli_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Mowgli_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Mufasa_17 Start: 10138, Stop: 13812, Start Num: 13

Candidate Starts for Mufasa_17:

(Start: 13 @10138 has 28 MA's), (23, 10210), (31, 10309), (67, 10444), (78, 10495), (90, 10588), (103, 10663), (124, 10756), (127, 10777), (130, 10798), (131, 10804), (144, 10894), (150, 10936), (156, 10972), (162, 11005), (163, 11017), (166, 11041), (168, 11062), (172, 11086), (173, 11092), (176, 11128), (177, 11137), (183, 11170), (185, 11182), (187, 11209), (223, 11392), (224, 11404), (226, 11410), (235, 11449), (239, 11473), (246, 11506), (258, 11524), (260, 11533), (287, 11566), (311, 11755), (312, 11761), (317, 11797), (323, 11824), (328, 11842), (335, 11860), (341, 11872), (358, 11968), (364, 12001), (380, 12034), (391, 12088), (397, 12121), (401, 12142), (403, 12166), (407, 12196), (410, 12217), (451, 12385), (455, 12403), (460, 12439), (473, 12532), (485, 12610), (499, 12733), (522, 12886), (542, 13273), (546, 13303), (547, 13312), (549, 13342), (557, 13402), (576, 13510), (592, 13642), (607, 13735),

Gene: Murucutumbu_21 Start: 12036, Stop: 15869, Start Num: 14

Candidate Starts for Murucutumbu_21:

(Start: 14 @12036 has 161 MA's), (23, 12105), (29, 12192), (57, 12372), (63, 12399), (79, 12483), (80, 12492), (89, 12552), (90, 12564), (103, 12639), (113, 12681), (122, 12723), (124, 12732), (127, 12753), (133, 12792), (144, 12870), (156, 12948), (177, 13113), (191, 13206), (195, 13227), (196, 13236), (239, 13473), (244, 13497), (248, 13512), (254, 13545), (269, 13632), (289, 13740), (299, 13824), (302, 13836), (306, 13857), (315, 13938), (351, 14013), (385, 14094), (387, 14103), (394, 14142), (397, 14160), (401, 14181), (405, 14217), (409, 14268), (420, 14325), (430, 14403), (432, 14412), (451, 14490), (454, 14505), (460, 14547), (471, 14601), (499, 14841), (512, 14916), (526, 15027), (537, 15246), (546, 15360), (554, 15441), (555, 15450), (565, 15522), (573, 15552), (578, 15573), (592, 15690), (604, 15762), (607, 15786),

Gene: Mynx_21 Start: 12099, Stop: 15932, Start Num: 14

Candidate Starts for Mynx_21:

(Start: 14 @12099 has 161 MA's), (23, 12168), (29, 12255), (57, 12432), (63, 12459), (78, 12531), (79, 12543), (80, 12552), (90, 12624), (103, 12699), (122, 12783), (124, 12792), (127, 12813), (133,

12852), (144, 12930), (156, 13008), (168, 13098), (177, 13173), (191, 13266), (193, 13275), (195, 13287), (196, 13296), (239, 13533), (248, 13572), (254, 13605), (269, 13692), (275, 13716), (289, 13800), (299, 13884), (302, 13896), (306, 13917), (351, 14073), (385, 14154), (394, 14202), (397, 14220), (401, 14241), (405, 14277), (409, 14328), (420, 14385), (430, 14463), (432, 14472), (451, 14550), (454, 14565), (460, 14607), (471, 14661), (499, 14901), (512, 14976), (526, 15087), (537, 15306), (539, 15318), (554, 15501), (555, 15510), (565, 15582), (573, 15612), (578, 15633), (592, 15753), (604, 15825), (606, 15843), (607, 15849),

Gene: Neighly_19 Start: 11979, Stop: 16091, Start Num: 13

Candidate Starts for Neighly_19:

(Start: 13 @11979 has 28 MA's), (24, 12072), (30, 12150), (32, 12174), (39, 12234), (59, 12318), (80, 12432), (89, 12492), (90, 12504), (95, 12525), (103, 12579), (114, 12627), (124, 12672), (127, 12693), (144, 12810), (156, 12888), (159, 12912), (168, 12978), (177, 13053), (191, 13146), (196, 13176), (226, 13350), (235, 13389), (239, 13413), (243, 13434), (255, 13494), (269, 13572), (285, 13659), (294, 13725), (300, 13767), (302, 13776), (309, 13860), (316, 13881), (318, 13914), (325, 13980), (327, 14001), (334, 14055), (336, 14064), (340, 14082), (345, 14109), (351, 14139), (356, 14175), (373, 14265), (375, 14271), (377, 14289), (392, 14394), (402, 14460), (430, 14655), (437, 14685), (445, 14718), (456, 14769), (457, 14790), (461, 14805), (462, 14811), (473, 14895), (480, 14943), (486, 14982), (493, 15042), (494, 15075), (498, 15096), (503, 15120), (507, 15150), (520, 15216), (528, 15288), (546, 15603), (547, 15612), (548, 15615), (549, 15642), (550, 15657), (552, 15672), (554, 15684), (559, 15714), (565, 15768), (569, 15786), (584, 15855), (589, 15903), (592, 15927), (594, 15939), (596, 15948), (608, 16020), (610, 16044), (615, 16083),

Gene: Nibb_20 Start: 11122, Stop: 15189, Start Num: 15

Candidate Starts for Nibb_20:

(9, 11086), (Start: 15 @11122 has 37 MA's), (38, 11347), (42, 11374), (43, 11383), (66, 11485), (88, 11614), (104, 11707), (106, 11719), (118, 11773), (125, 11803), (138, 11890), (141, 11905), (155, 12001), (156, 12004), (163, 12046), (173, 12115), (198, 12298), (210, 12349), (211, 12361), (215, 12391), (224, 12451), (228, 12463), (230, 12469), (233, 12484), (236, 12502), (237, 12505), (265, 12652), (267, 12661), (269, 12673), (270, 12679), (274, 12694), (276, 12700), (300, 12784), (307, 12853), (327, 13018), (333, 13066), (345, 13126), (351, 13156), (359, 13207), (362, 13228), (369, 13264), (379, 13318), (401, 13456), (406, 13510), (409, 13543), (415, 13561), (420, 13600), (430, 13678), (431, 13681), (451, 13765), (460, 13822), (469, 13858), (471, 13876), (473, 13915), (499, 14116), (506, 14158), (512, 14191), (537, 14533), (554, 14731), (592, 15019), (594, 15031), (604, 15103), (607, 15124),

Gene: Nikao_17 Start: 11327, Stop: 15460, Start Num: 14

Candidate Starts for Nikao_17:

(10, 11288), (Start: 14 @11327 has 161 MA's), (23, 11396), (29, 11483), (37, 11561), (59, 11669), (63, 11690), (72, 11723), (90, 11855), (94, 11870), (95, 11876), (103, 11930), (110, 11960), (124, 12023), (127, 12044), (133, 12083), (144, 12161), (156, 12239), (159, 12263), (191, 12497), (209, 12578), (216, 12638), (224, 12695), (234, 12731), (239, 12764), (244, 12788), (257, 12854), (259, 12863), (269, 12923), (289, 13031), (294, 13076), (316, 13232), (326, 13343), (327, 13352), (328, 13364), (336, 13415), (340, 13433), (345, 13460), (351, 13490), (366, 13583), (375, 13622), (378, 13649), (401, 13790), (406, 13844), (409, 13877), (419, 13922), (430, 14003), (431, 14006), (451, 14090), (453, 14096), (454, 14105), (460, 14147), (469, 14183), (471, 14201), (473, 14240), (481, 14300), (499, 14441), (510, 14501), (512, 14516), (539, 14858), (554, 15047), (555, 15056), (563, 15119), (607, 15395),

Gene: Niklas_21 Start: 11128, Stop: 15282, Start Num: 15

Candidate Starts for Niklas_21:

(9, 11086), (Start: 15 @11128 has 37 MA's), (26, 11221), (42, 11380), (47, 11407), (68, 11497), (69, 11500), (82, 11587), (99, 11695), (116, 11764), (119, 11782), (134, 11866), (138, 11908), (141,

11923), (142, 11932), (147, 11959), (156, 12022), (163, 12064), (173, 12133), (180, 12196), (181, 12205), (198, 12319), (199, 12325), (208, 12361), (210, 12370), (211, 12382), (213, 12394), (215, 12412), (224, 12472), (228, 12484), (230, 12490), (233, 12505), (236, 12523), (237, 12526), (240, 12544), (243, 12559), (252, 12598), (263, 12655), (264, 12664), (269, 12694), (274, 12715), (280, 12745), (284, 12778), (296, 12862), (299, 12892), (302, 12904), (315, 13006), (322, 13084), (327, 13129), (329, 13153), (339, 13207), (340, 13210), (343, 13225), (351, 13267), (354, 13294), (356, 13303), (359, 13318), (360, 13324), (361, 13327), (384, 13468), (389, 13504), (390, 13510), (394, 13528), (399, 13555), (401, 13567), (406, 13621), (409, 13654), (421, 13714), (430, 13795), (431, 13798), (451, 13882), (454, 13897), (473, 14032), (482, 14098), (499, 14233), (535, 14584), (554, 14839), (555, 14848), (561, 14914), (592, 15109), (596, 15130), (604, 15181), (606, 15199), (607, 15205), (611, 15244),

Gene: NoShow_16 Start: 10206, Stop: 14354, Start Num: 5

Candidate Starts for NoShow_16:

(Start: 5 @10206 has 1 MA's), (6, 10218), (12, 10323), (17, 10344), (40, 10602), (46, 10635), (47, 10638), (55, 10671), (68, 10728), (73, 10743), (74, 10746), (80, 10800), (83, 10821), (86, 10839), (88, 10851), (92, 10872), (94, 10881), (97, 10911), (121, 11013), (123, 11022), (128, 11055), (139, 11121), (141, 11133), (142, 11142), (149, 11187), (154, 11220), (156, 11232), (160, 11259), (173, 11343), (182, 11418), (186, 11457), (195, 11502), (198, 11526), (208, 11568), (209, 11571), (210, 11577), (211, 11589), (219, 11634), (228, 11691), (230, 11697), (233, 11712), (236, 11730), (243, 11766), (248, 11784), (251, 11802), (256, 11829), (258, 11838), (265, 11880), (266, 11886), (274, 11922), (276, 11928), (288, 11961), (297, 11985), (299, 12009), (324, 12213), (327, 12246), (328, 12258), (333, 12294), (349, 12378), (351, 12384), (363, 12477), (372, 12519), (374, 12531), (376, 12540), (379, 12564), (383, 12597), (393, 12675), (398, 12705), (400, 12717), (401, 12726), (402, 12747), (407, 12801), (414, 12846), (425, 12921), (433, 12996), (440, 13032), (450, 13059), (451, 13068), (454, 13080), (458, 13116), (474, 13257), (479, 13266), (487, 13311), (491, 13344), (495, 13398), (499, 13431), (505, 13470), (509, 13491), (513, 13518), (525, 13599), (531, 13680), (532, 13692), (545, 13938), (549, 13983), (554, 14025), (558, 14052), (564, 14106), (568, 14127), (574, 14142), (577, 14148), (581, 14202), (582, 14208), (587, 14244), (596, 14301), (598, 14310),

Gene: November_20 Start: 12038, Stop: 16228, Start Num: 14

Candidate Starts for November_20:

(Start: 14 @12038 has 161 MA's), (23, 12107), (24, 12128), (29, 12194), (53, 12356), (72, 12431), (79, 12482), (80, 12491), (89, 12551), (90, 12563), (95, 12584), (103, 12638), (110, 12668), (124, 12731), (127, 12752), (133, 12791), (144, 12869), (156, 12947), (159, 12971), (167, 13025), (168, 13037), (176, 13103), (183, 13145), (187, 13184), (189, 13196), (195, 13226), (196, 13235), (217, 13349), (220, 13364), (229, 13418), (235, 13448), (239, 13472), (243, 13493), (253, 13541), (261, 13586), (262, 13589), (269, 13631), (274, 13652), (282, 13700), (288, 13757), (291, 13772), (293, 13787), (295, 13808), (297, 13820), (304, 13865), (316, 13961), (351, 14219), (353, 14240), (369, 14327), (375, 14351), (378, 14378), (379, 14381), (383, 14411), (390, 14462), (397, 14498), (409, 14606), (430, 14741), (431, 14744), (447, 14810), (449, 14816), (456, 14855), (466, 14927), (468, 14933), (471, 14954), (478, 15038), (483, 15068), (487, 15089), (488, 15101), (496, 15182), (500, 15215), (502, 15224), (504, 15230), (510, 15272), (514, 15290), (517, 15323), (518, 15329), (537, 15617), (546, 15731), (547, 15740), (548, 15743), (554, 15812), (578, 15947), (592, 16067), (607, 16163), (611, 16202),

Gene: Nutello_17 Start: 11327, Stop: 15460, Start Num: 14

Candidate Starts for Nutello_17:

(10, 11288), (Start: 14 @11327 has 161 MA's), (23, 11396), (29, 11483), (37, 11561), (59, 11669), (63, 11690), (72, 11723), (90, 11855), (94, 11870), (95, 11876), (103, 11930), (110, 11960), (124, 12023), (127, 12044), (133, 12083), (144, 12161), (156, 12239), (159, 12263), (191, 12497), (209, 12578), (216, 12638), (224, 12695), (234, 12731), (239, 12764), (244, 12788), (257, 12854), (259, 12863), (269, 12923), (289, 13031), (294, 13076), (316, 13232), (326, 13343), (327, 13352), (328, 13364),

(336, 13415), (340, 13433), (345, 13460), (351, 13490), (366, 13583), (375, 13622), (401, 13790), (406, 13844), (409, 13877), (419, 13922), (430, 14003), (431, 14006), (451, 14090), (453, 14096), (454, 14105), (460, 14147), (469, 14183), (471, 14201), (473, 14240), (481, 14300), (499, 14441), (510, 14501), (512, 14516), (539, 14858), (554, 15047), (555, 15056), (563, 15119), (607, 15395),

Gene: OctaviousRex_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for OctaviousRex_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: OkiRoe_19 Start: 12137, Stop: 16246, Start Num: 13

Candidate Starts for OkiRoe_19:

(Start: 13 @12137 has 28 MA's), (39, 12395), (59, 12479), (76, 12545), (80, 12593), (89, 12653), (90, 12665), (95, 12686), (103, 12740), (110, 12770), (124, 12833), (127, 12854), (135, 12911), (144, 12971), (156, 13049), (159, 13073), (165, 13115), (170, 13148), (191, 13307), (195, 13328), (214, 13406), (223, 13469), (225, 13484), (226, 13487), (229, 13496), (231, 13502), (233, 13514), (242, 13568), (263, 13670), (269, 13709), (294, 13862), (300, 13904), (305, 13928), (316, 14018), (318, 14051), (334, 14192), (336, 14201), (340, 14219), (345, 14246), (357, 14324), (375, 14408), (392, 14531), (402, 14597), (417, 14699), (430, 14792), (437, 14822), (443, 14849), (445, 14855), (456, 14906), (457, 14927), (461, 14942), (462, 14948), (473, 15032), (480, 15080), (486, 15119), (493, 15179), (494, 15212), (498, 15233), (503, 15257), (507, 15290), (520, 15374), (528, 15446), (546, 15755), (550, 15809), (552, 15824), (554, 15836), (559, 15866), (589, 16052), (594, 16088), (608, 16175), (610, 16199),

Gene: Olga_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Olga_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Oscar_20 Start: 11083, Stop: 15156, Start Num: 15

Candidate Starts for Oscar_20:

(Start: 15 @11083 has 37 MA's), (26, 11176), (38, 11308), (66, 11446), (80, 11524), (81, 11536), (82, 11542), (88, 11575), (95, 11611), (104, 11668), (106, 11680), (118, 11734), (125, 11764), (138, 11851), (141, 11866), (147, 11902), (161, 11995), (173, 12076), (198, 12259), (200, 12268), (210, 12310), (215, 12352), (224, 12412), (228, 12424), (230, 12430), (233, 12445), (237, 12466), (243, 12499), (267, 12622), (269, 12634), (270, 12640), (274, 12655), (276, 12661), (300, 12745), (308, 12826), (327, 12979), (343, 13075), (345, 13087), (351, 13117), (359, 13168), (362, 13189), (367, 13219), (369, 13225), (375, 13249), (383, 13309), (390, 13360), (399, 13405), (401, 13417), (406, 13471), (409, 13504), (420, 13561), (430, 13639), (431, 13642), (451, 13726), (456, 13753), (460,

13783), (471, 13837), (473, 13876), (499, 14077), (506, 14119), (512, 14152), (514, 14158), (535, 14437), (537, 14494), (554, 14695), (567, 14809), (592, 14986), (604, 15070), (607, 15091),

Gene: Padfoot_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Padfoot_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: Padpat_21 Start: 12076, Stop: 15909, Start Num: 14

Candidate Starts for Padpat_21:

(Start: 14 @12076 has 161 MA's), (23, 12145), (29, 12232), (37, 12307), (57, 12409), (63, 12436), (78, 12508), (79, 12520), (80, 12529), (90, 12601), (103, 12676), (122, 12760), (124, 12769), (127, 12790), (133, 12829), (144, 12907), (156, 12985), (168, 13075), (177, 13150), (191, 13243), (193, 13252), (195, 13264), (196, 13273), (239, 13510), (248, 13549), (254, 13582), (269, 13669), (275, 13693), (289, 13777), (299, 13861), (302, 13873), (306, 13894), (351, 14050), (385, 14131), (394, 14179), (397, 14197), (401, 14218), (405, 14254), (409, 14305), (420, 14362), (430, 14440), (432, 14449), (451, 14527), (454, 14542), (460, 14584), (471, 14638), (499, 14878), (512, 14953), (526, 15064), (537, 15283), (539, 15295), (554, 15478), (555, 15487), (565, 15559), (573, 15589), (578, 15610), (592, 15730), (604, 15802), (606, 15820), (607, 15826),

Gene: Paola_19 Start: 12137, Stop: 16246, Start Num: 13

Candidate Starts for Paola_19:

(Start: 13 @12137 has 28 MA's), (39, 12395), (59, 12479), (76, 12545), (80, 12593), (89, 12653), (90, 12665), (95, 12686), (103, 12740), (110, 12770), (124, 12833), (127, 12854), (135, 12911), (144, 12971), (156, 13049), (159, 13073), (165, 13115), (170, 13148), (191, 13307), (195, 13328), (214, 13406), (223, 13469), (225, 13484), (226, 13487), (229, 13496), (231, 13502), (233, 13514), (239, 13550), (242, 13568), (263, 13670), (269, 13709), (294, 13862), (300, 13904), (305, 13928), (316, 14018), (318, 14051), (325, 14117), (334, 14192), (336, 14201), (340, 14219), (345, 14246), (357, 14324), (375, 14408), (392, 14531), (402, 14597), (417, 14699), (430, 14792), (437, 14822), (443, 14849), (445, 14855), (456, 14906), (457, 14927), (461, 14942), (462, 14948), (473, 15032), (475, 15062), (480, 15080), (486, 15119), (493, 15179), (494, 15212), (498, 15233), (503, 15257), (507, 15290), (520, 15374), (528, 15446), (546, 15755), (550, 15809), (552, 15824), (554, 15836), (559, 15866), (589, 16052), (592, 16076), (594, 16088), (608, 16175), (610, 16199),

Gene: Peanam_21 Start: 11128, Stop: 15282, Start Num: 15

Candidate Starts for Peanam_21:

(9, 11086), (Start: 15 @11128 has 37 MA's), (26, 11221), (42, 11380), (47, 11407), (68, 11497), (69, 11500), (82, 11587), (99, 11695), (116, 11764), (119, 11782), (134, 11866), (138, 11908), (141, 11923), (142, 11932), (147, 11959), (156, 12022), (163, 12064), (173, 12133), (180, 12196), (181, 12205), (198, 12319), (199, 12325), (208, 12361), (210, 12370), (211, 12382), (213, 12394), (215, 12412), (224, 12472), (228, 12484), (230, 12490), (233, 12505), (236, 12523), (237, 12526), (240, 12544), (243, 12559), (252, 12598), (263, 12655), (264, 12664), (269, 12694), (274, 12715), (280, 12745), (284, 12778), (296, 12862), (299, 12892), (302, 12904), (315, 13006), (322, 13084), (327, 13129), (329, 13153), (339, 13207), (340, 13210), (343, 13225), (351, 13267), (354, 13294), (356, 13303), (359, 13318), (360, 13324), (361, 13327), (384, 13468), (389, 13504), (390, 13510), (394, 13528), (399, 13555), (401, 13567), (406, 13621), (409, 13654), (421, 13714), (430, 13795), (431,

13798), (451, 13882), (454, 13897), (473, 14032), (482, 14098), (499, 14233), (535, 14584), (554, 14839), (555, 14848), (561, 14914), (592, 15109), (596, 15130), (604, 15181), (606, 15199), (607, 15205), (611, 15244),

Gene: Peeb_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Peeb_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Peel_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Peel_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: Periodt_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Periodt_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Pharb_20 Start: 12014, Stop: 16198, Start Num: 14

Candidate Starts for Pharb_20:

(8, 11966), (Start: 14 @12014 has 161 MA's), (23, 12083), (24, 12104), (26, 12110), (29, 12170), (59, 12353), (61, 12365), (63, 12374), (79, 12458), (89, 12527), (90, 12539), (95, 12560), (103, 12614), (110, 12644), (124, 12707), (127, 12728), (133, 12767), (144, 12845), (156, 12923), (159, 12947), (183, 13121), (188, 13169), (191, 13181), (195, 13202), (196, 13211), (218, 13331), (231, 13400), (234, 13415), (239, 13448), (243, 13469), (245, 13478), (252, 13508), (254, 13520), (261, 13562), (262, 13565), (263, 13568), (269, 13607), (283, 13685), (293, 13763), (297, 13796), (301, 13826), (308, 13904), (320, 13994), (324, 14024), (327, 14057), (342, 14147), (351, 14195), (375, 14327), (379, 14357), (390, 14438), (397, 14474), (405, 14531), (406, 14549), (409, 14582), (421, 14642), (430, 14723), (439, 14762), (448, 14795), (451, 14810), (453, 14816), (454, 14825), (460, 14867), (471, 14921), (473, 14960), (485, 15038), (499, 15161), (512, 15236), (530, 15425), (543, 15665), (546, 15695), (548, 15707), (555, 15785), (577, 15914), (588, 16001), (589, 16004), (594, 16037),

(602, 16082), (607, 16118), (609, 16133), (610, 16145), (613, 16181),

Gene: PhelpsODU_20 Start: 11123, Stop: 15124, Start Num: 15

Candidate Starts for PhelpsODU_20:

(Start: 15 @11123 has 37 MA's), (26, 11216), (34, 11321), (42, 11375), (45, 11393), (50, 11411), (55, 11435), (56, 11441), (62, 11468), (64, 11474), (66, 11486), (77, 11519), (88, 11615), (91, 11633), (92, 11636), (116, 11750), (118, 11765), (138, 11882), (153, 11978), (158, 12017), (163, 12038), (164, 12047), (173, 12107), (198, 12290), (199, 12296), (200, 12299), (211, 12353), (215, 12383), (224, 12443), (228, 12455), (230, 12461), (233, 12476), (237, 12497), (240, 12515), (267, 12653), (269, 12665), (274, 12686), (281, 12725), (301, 12779), (302, 12785), (315, 12887), (320, 12947), (327, 13010), (340, 13091), (343, 13106), (344, 13109), (351, 13148), (356, 13184), (359, 13199), (360, 13205), (363, 13232), (369, 13256), (381, 13331), (390, 13391), (401, 13448), (405, 13484), (409, 13535), (430, 13676), (431, 13679), (451, 13763), (456, 13790), (471, 13874), (473, 13913), (499, 14114), (512, 14189), (533, 14408), (538, 14522), (546, 14624), (547, 14633), (554, 14705), (565, 14789), (573, 14819), (578, 14840), (592, 14957), (604, 15032), (609, 15071), (610, 15083),

Gene: Phish_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Phish_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Phrank_20 Start: 11071, Stop: 15072, Start Num: 15

Candidate Starts for Phrank_20:

(Start: 15 @11071 has 37 MA's), (26, 11164), (34, 11269), (38, 11296), (42, 11323), (45, 11341), (50, 11359), (55, 11383), (56, 11389), (62, 11416), (64, 11422), (74, 11458), (77, 11467), (78, 11491), (88, 11563), (91, 11581), (92, 11584), (118, 11713), (138, 11830), (153, 11926), (158, 11965), (164, 11995), (173, 12055), (198, 12238), (199, 12244), (200, 12247), (211, 12301), (215, 12331), (224, 12391), (228, 12403), (230, 12409), (233, 12424), (237, 12445), (240, 12463), (267, 12601), (269, 12613), (274, 12634), (281, 12673), (301, 12727), (302, 12733), (320, 12895), (327, 12958), (340, 13039), (343, 13054), (351, 13096), (359, 13147), (362, 13168), (367, 13198), (369, 13204), (375, 13228), (381, 13279), (390, 13339), (401, 13396), (405, 13432), (406, 13450), (409, 13483), (430, 13624), (431, 13627), (451, 13711), (456, 13738), (471, 13822), (499, 14062), (512, 14137), (538, 14470), (546, 14572), (547, 14581), (554, 14653), (565, 14737), (573, 14767), (578, 14788), (592, 14905), (604, 14980), (609, 15019), (610, 15031),

Gene: Phreak_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Phreak_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Piatt_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Piatt_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: PinkYoshi_16 Start: 11455, Stop: 15468, Start Num: 14

Candidate Starts for PinkYoshi_16:

(Start: 14 @11455 has 161 MA's), (33, 11656), (53, 11770), (63, 11812), (71, 11842), (90, 11977), (93, 11989), (95, 11998), (130, 12187), (133, 12205), (134, 12208), (136, 12229), (137, 12241), (148, 12313), (156, 12361), (174, 12493), (176, 12517), (187, 12598), (212, 12721), (223, 12805), (232, 12841), (239, 12886), (240, 12892), (261, 13000), (265, 13024), (269, 13045), (305, 13264), (321, 13414), (330, 13501), (350, 13609), (375, 13744), (390, 13855), (394, 13873), (400, 13903), (428, 14125), (435, 14149), (438, 14164), (442, 14185), (451, 14212), (456, 14239), (467, 14299), (474, 14389), (481, 14422), (492, 14485), (495, 14542), (499, 14575), (501, 14584), (548, 15088), (549, 15115), (552, 15145), (554, 15157), (555, 15166), (565, 15235), (584, 15316), (590, 15376), (593, 15394), (595, 15403),

Gene: Pinnie_17 Start: 12158, Stop: 16180, Start Num: 15

Candidate Starts for Pinnie_17:

(Start: 15 @12158 has 37 MA's), (21, 12203), (33, 12359), (34, 12362), (45, 12434), (50, 12452), (52, 12464), (62, 12509), (66, 12527), (82, 12623), (84, 12629), (86, 12644), (88, 12656), (91, 12674), (97, 12716), (98, 12719), (107, 12755), (110, 12767), (116, 12791), (117, 12797), (121, 12818), (134, 12893), (138, 12935), (141, 12950), (147, 12986), (148, 13001), (156, 13049), (157, 13058), (173, 13160), (192, 13301), (198, 13343), (205, 13373), (207, 13379), (208, 13385), (215, 13436), (228, 13508), (230, 13514), (233, 13529), (236, 13547), (237, 13550), (250, 13610), (258, 13655), (265, 13697), (269, 13718), (275, 13742), (277, 13754), (278, 13757), (286, 13814), (296, 13886), (302, 13928), (315, 14030), (321, 14093), (334, 14207), (338, 14228), (350, 14288), (359, 14342), (360, 14348), (369, 14399), (381, 14474), (388, 14516), (399, 14579), (424, 14744), (435, 14828), (438, 14843), (441, 14861), (444, 14867), (455, 14909), (456, 14918), (465, 14963), (470, 14978), (474, 15059), (477, 15068), (492, 15161), (495, 15218), (499, 15251), (508, 15305), (511, 15326), (548, 15785), (549, 15812), (551, 15839), (554, 15854), (555, 15863), (565, 15950), (590, 16088), (593, 16106), (599, 16145),

Gene: Pixie_20 Start: 11949, Stop: 16127, Start Num: 14

Candidate Starts for Pixie_20:

(Start: 14 @11949 has 161 MA's), (23, 12018), (24, 12039), (26, 12045), (29, 12105), (48, 12243), (59, 12288), (63, 12309), (89, 12462), (90, 12474), (95, 12495), (103, 12549), (110, 12579), (115, 12600), (122, 12633), (124, 12642), (127, 12663), (133, 12702), (144, 12780), (150, 12822), (156, 12858), (159, 12882), (183, 13056), (187, 13095), (191, 13116), (195, 13137), (196, 13146), (224, 13314), (231, 13335), (235, 13359), (239, 13383), (243, 13404), (248, 13422), (254, 13455), (261, 13497), (262, 13500), (263, 13503), (269, 13542), (271, 13551), (283, 13620), (297, 13731), (301, 13761), (324, 13959), (327, 13992), (342, 14082), (345, 14100), (351, 14130), (354, 14157), (379, 14292), (390, 14373), (397, 14409), (405, 14466), (406, 14484), (408, 14505), (409, 14517), (421, 14577), (430, 14658), (439, 14697), (448, 14730), (451, 14745), (453, 14751), (454, 14760), (460, 14802), (473, 14895), (485, 14973), (499, 15096), (512, 15171), (546, 15636), (548, 15648), (554, 15717),

(555, 15726), (586, 15918), (588, 15936), (594, 15972), (596, 15981), (606, 16047), (607, 16053), (609, 16068), (610, 16080),

Gene: Plagueis_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Plagueis_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Pokerus_20 Start: 12033, Stop: 15866, Start Num: 14

Candidate Starts for Pokerus_20:

(Start: 14 @12033 has 161 MA's), (23, 12102), (29, 12189), (57, 12366), (63, 12393), (78, 12465), (79, 12477), (80, 12486), (90, 12558), (103, 12633), (122, 12717), (124, 12726), (127, 12747), (133, 12786), (144, 12864), (156, 12942), (168, 13032), (177, 13107), (191, 13200), (193, 13209), (195, 13221), (196, 13230), (239, 13467), (248, 13506), (254, 13539), (269, 13626), (275, 13650), (289, 13734), (299, 13818), (302, 13830), (306, 13851), (351, 14007), (385, 14088), (394, 14136), (397, 14154), (401, 14175), (405, 14211), (409, 14262), (420, 14319), (430, 14397), (432, 14406), (451, 14484), (454, 14499), (460, 14541), (471, 14595), (499, 14835), (512, 14910), (526, 15021), (537, 15240), (539, 15252), (554, 15435), (555, 15444), (565, 15516), (573, 15546), (578, 15567), (592, 15687), (604, 15759), (606, 15777), (607, 15783),

Gene: Prithvi_21 Start: 12047, Stop: 15883, Start Num: 14

Candidate Starts for Prithvi_21:

(Start: 14 @12047 has 161 MA's), (23, 12116), (29, 12203), (57, 12383), (63, 12410), (80, 12503), (89, 12563), (90, 12575), (103, 12650), (115, 12701), (124, 12743), (127, 12764), (133, 12803), (144, 12881), (156, 12959), (159, 12983), (177, 13124), (191, 13217), (193, 13226), (195, 13238), (196, 13247), (239, 13484), (244, 13508), (248, 13523), (254, 13556), (269, 13643), (275, 13667), (289, 13751), (299, 13835), (302, 13847), (306, 13868), (315, 13949), (351, 14024), (385, 14105), (394, 14153), (397, 14171), (400, 14183), (401, 14192), (405, 14228), (409, 14279), (420, 14336), (430, 14414), (432, 14423), (451, 14501), (454, 14516), (460, 14558), (471, 14612), (499, 14852), (512, 14927), (526, 15038), (537, 15257), (539, 15269), (546, 15371), (554, 15452), (555, 15461), (565, 15533), (573, 15563), (578, 15584), (592, 15704), (604, 15776), (606, 15794), (607, 15800),

Gene: Psycho_19 Start: 12089, Stop: 16222, Start Num: 11

Candidate Starts for Psycho_19:

(Start: 11 @12089 has 1 MA's), (Start: 13 @12110 has 28 MA's), (24, 12203), (30, 12281), (32, 12305), (39, 12365), (59, 12449), (80, 12563), (89, 12623), (90, 12635), (95, 12656), (103, 12710), (114, 12758), (124, 12803), (127, 12824), (144, 12941), (156, 13019), (159, 13043), (165, 13085), (168, 13109), (177, 13184), (191, 13277), (196, 13307), (226, 13481), (235, 13520), (239, 13544), (243, 13565), (255, 13625), (269, 13703), (271, 13712), (285, 13790), (294, 13856), (300, 13898), (302, 13907), (309, 13991), (316, 14012), (318, 14045), (325, 14111), (327, 14132), (334, 14186), (336, 14195), (340, 14213), (345, 14240), (351, 14270), (356, 14306), (373, 14396), (375, 14402), (377, 14420), (392, 14525), (402, 14591), (430, 14786), (437, 14816), (445, 14849), (456, 14900), (457, 14921), (461, 14936), (462, 14942), (473, 15026), (480, 15074), (486, 15113), (493, 15173), (494, 15206), (498, 15227), (503, 15251), (507, 15281), (520, 15347), (528, 15419), (546, 15734), (547, 15743), (548, 15746), (549, 15773), (550, 15788), (552, 15803), (554, 15815), (559, 15845), (565, 15899), (569, 15917), (584, 15986), (589, 16034), (592, 16058), (594, 16070), (596, 16079), (608,

16151), (610, 16175), (615, 16214),

Gene: QuincyRose_20 Start: 12096, Stop: 15929, Start Num: 14

Candidate Starts for QuincyRose_20:

(Start: 14 @12096 has 161 MA's), (23, 12165), (29, 12252), (57, 12429), (63, 12456), (79, 12540), (80, 12549), (90, 12621), (103, 12696), (122, 12780), (124, 12789), (127, 12810), (133, 12849), (144, 12927), (156, 13005), (168, 13095), (177, 13170), (191, 13263), (195, 13284), (196, 13293), (222, 13437), (239, 13530), (248, 13569), (254, 13602), (269, 13689), (275, 13713), (289, 13797), (299, 13881), (302, 13893), (306, 13914), (351, 14070), (385, 14151), (394, 14199), (397, 14217), (401, 14238), (405, 14274), (409, 14325), (420, 14382), (430, 14460), (432, 14469), (451, 14547), (460, 14604), (471, 14658), (499, 14898), (512, 14973), (526, 15084), (537, 15303), (539, 15315), (554, 15498), (555, 15507), (565, 15579), (573, 15609), (578, 15630), (592, 15750), (604, 15822), (606, 15840), (607, 15846),

Gene: Rabbs_16 Start: 11454, Stop: 15479, Start Num: 14

Candidate Starts for Rabbs_16:

(Start: 14 @11454 has 161 MA's), (19, 11478), (33, 11655), (53, 11769), (63, 11811), (68, 11832), (71, 11841), (90, 11976), (95, 11997), (124, 12144), (130, 12186), (133, 12204), (134, 12207), (136, 12228), (137, 12240), (156, 12360), (165, 12426), (174, 12492), (176, 12516), (187, 12597), (212, 12720), (214, 12741), (229, 12831), (232, 12840), (240, 12891), (248, 12924), (251, 12942), (261, 12999), (269, 13044), (285, 13131), (289, 13152), (302, 13248), (305, 13263), (316, 13353), (320, 13410), (321, 13413), (344, 13572), (345, 13581), (350, 13608), (375, 13743), (394, 13872), (400, 13902), (428, 14124), (435, 14148), (438, 14163), (442, 14184), (456, 14238), (467, 14298), (474, 14388), (481, 14421), (484, 14436), (492, 14484), (495, 14541), (499, 14574), (541, 15006), (548, 15096), (549, 15123), (554, 15165), (555, 15174), (565, 15243), (571, 15270), (584, 15327), (590, 15387), (593, 15405), (595, 15414),

Gene: Ramen_21 Start: 12079, Stop: 15915, Start Num: 14

Candidate Starts for Ramen_21:

(Start: 14 @12079 has 161 MA's), (23, 12148), (29, 12235), (57, 12412), (63, 12439), (78, 12511), (79, 12523), (80, 12532), (90, 12604), (103, 12679), (122, 12763), (124, 12772), (127, 12793), (133, 12832), (144, 12910), (156, 12988), (168, 13078), (177, 13153), (191, 13246), (193, 13255), (195, 13267), (196, 13276), (244, 13537), (248, 13552), (254, 13585), (269, 13672), (275, 13696), (289, 13780), (299, 13864), (302, 13876), (306, 13897), (351, 14053), (385, 14134), (394, 14182), (397, 14200), (401, 14221), (405, 14257), (409, 14308), (420, 14365), (430, 14443), (432, 14452), (451, 14530), (460, 14587), (471, 14641), (499, 14881), (512, 14956), (526, 15067), (537, 15286), (539, 15298), (554, 15484), (555, 15493), (565, 15565), (573, 15595), (578, 15616), (592, 15736), (604, 15808), (606, 15826), (607, 15832),

Gene: Rapunzel97_21 Start: 12080, Stop: 15916, Start Num: 14

Candidate Starts for Rapunzel97_21:

(Start: 14 @12080 has 161 MA's), (23, 12149), (29, 12236), (57, 12413), (63, 12440), (78, 12512), (79, 12524), (80, 12533), (90, 12605), (103, 12680), (122, 12764), (124, 12773), (127, 12794), (133, 12833), (144, 12911), (156, 12989), (168, 13079), (177, 13154), (191, 13247), (193, 13256), (195, 13268), (196, 13277), (244, 13538), (248, 13553), (254, 13586), (269, 13673), (275, 13697), (289, 13781), (299, 13865), (302, 13877), (306, 13898), (351, 14054), (385, 14135), (394, 14183), (397, 14201), (401, 14222), (405, 14258), (409, 14309), (420, 14366), (430, 14444), (432, 14453), (451, 14531), (460, 14588), (471, 14642), (499, 14882), (512, 14957), (526, 15068), (537, 15287), (539, 15299), (554, 15485), (555, 15494), (565, 15566), (573, 15596), (578, 15617), (592, 15737), (604, 15809), (606, 15827), (607, 15833),

Gene: Remy19_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Remy19_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Renaissance_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Renaissance_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Richo_21 Start: 11128, Stop: 15282, Start Num: 15

Candidate Starts for Richo_21:

(9, 11086), (Start: 15 @11128 has 37 MA's), (26, 11221), (42, 11380), (47, 11407), (68, 11497), (69, 11500), (82, 11587), (99, 11695), (116, 11764), (119, 11782), (134, 11866), (138, 11908), (141, 11923), (142, 11932), (147, 11959), (156, 12022), (163, 12064), (173, 12133), (180, 12196), (181, 12205), (198, 12319), (199, 12325), (208, 12361), (210, 12370), (211, 12382), (213, 12394), (215, 12412), (224, 12472), (228, 12484), (230, 12490), (233, 12505), (236, 12523), (237, 12526), (240, 12544), (243, 12559), (252, 12598), (263, 12655), (264, 12664), (269, 12694), (274, 12715), (280, 12745), (284, 12778), (296, 12862), (299, 12892), (302, 12904), (315, 13006), (322, 13084), (327, 13129), (329, 13153), (339, 13207), (340, 13210), (343, 13225), (351, 13267), (354, 13294), (356, 13303), (359, 13318), (360, 13324), (361, 13327), (384, 13468), (389, 13504), (390, 13510), (394, 13528), (399, 13555), (401, 13567), (406, 13621), (409, 13654), (421, 13714), (430, 13795), (431, 13798), (451, 13882), (454, 13897), (473, 14032), (482, 14098), (499, 14233), (535, 14584), (554, 14839), (555, 14848), (561, 14914), (592, 15109), (596, 15130), (604, 15181), (606, 15199), (607, 15205), (611, 15244),

Gene: Rosmarinus_21 Start: 12104, Stop: 15937, Start Num: 14

Candidate Starts for Rosmarinus_21:

(Start: 14 @12104 has 161 MA's), (23, 12173), (29, 12260), (37, 12335), (57, 12437), (63, 12464), (78, 12536), (79, 12548), (80, 12557), (90, 12629), (103, 12704), (122, 12788), (124, 12797), (127, 12818), (133, 12857), (137, 12893), (144, 12935), (156, 13013), (168, 13103), (177, 13178), (191, 13271), (193, 13280), (195, 13292), (196, 13301), (239, 13538), (248, 13577), (254, 13610), (269, 13697), (275, 13721), (289, 13805), (299, 13889), (302, 13901), (306, 13922), (351, 14078), (385, 14159), (394, 14207), (397, 14225), (401, 14246), (405, 14282), (409, 14333), (420, 14390), (430, 14468), (432, 14477), (451, 14555), (454, 14570), (460, 14612), (471, 14666), (499, 14906), (512, 14981), (526, 15092), (537, 15311), (539, 15323), (554, 15506), (555, 15515), (565, 15587), (573, 15617), (578, 15638), (592, 15758), (604, 15830), (606, 15848), (607, 15854),

Gene: SamuelLPlaqson_21 Start: 12024, Stop: 15863, Start Num: 14

Candidate Starts for SamuelLPlaqson_21:

(Start: 14 @12024 has 161 MA's), (23, 12093), (29, 12180), (57, 12360), (63, 12387), (79, 12471), (80, 12480), (89, 12540), (90, 12552), (103, 12627), (115, 12678), (124, 12720), (127, 12741), (133, 12780), (144, 12858), (156, 12936), (159, 12960), (177, 13101), (191, 13194), (195, 13215), (196, 13224), (239, 13461), (244, 13485), (248, 13500), (254, 13533), (269, 13620), (285, 13707), (289, 13728), (299, 13812), (302, 13824), (306, 13845), (351, 14001), (385, 14082), (397, 14148), (401, 14169), (405, 14205), (409, 14256), (415, 14274), (420, 14313), (430, 14391), (451, 14478), (454, 14493), (460, 14535), (471, 14589), (499, 14829), (512, 14904), (526, 15015), (528, 15036), (529, 15057), (535, 15177), (546, 15351), (554, 15432), (555, 15441), (565, 15513), (573, 15543), (578, 15564), (592, 15684), (604, 15756), (606, 15774), (607, 15780),

Gene: Scarlett_20 Start: 11082, Stop: 15158, Start Num: 15

Candidate Starts for Scarlett_20:

(Start: 15 @11082 has 37 MA's), (26, 11175), (38, 11307), (66, 11445), (80, 11523), (81, 11535), (82, 11541), (88, 11574), (95, 11610), (104, 11667), (106, 11679), (118, 11733), (125, 11763), (138, 11850), (141, 11865), (147, 11901), (161, 11994), (173, 12075), (198, 12258), (200, 12267), (210, 12309), (215, 12351), (224, 12411), (228, 12423), (230, 12429), (233, 12444), (237, 12465), (243, 12498), (267, 12621), (269, 12633), (270, 12639), (274, 12654), (276, 12660), (300, 12744), (308, 12825), (327, 12978), (343, 13074), (345, 13086), (351, 13116), (359, 13167), (362, 13188), (367, 13218), (369, 13224), (375, 13248), (383, 13308), (390, 13359), (399, 13404), (401, 13416), (406, 13470), (409, 13503), (420, 13560), (430, 13638), (431, 13641), (451, 13725), (456, 13752), (460, 13782), (471, 13836), (473, 13875), (499, 14076), (506, 14118), (512, 14151), (535, 14439), (537, 14496), (554, 14697), (567, 14811), (592, 14988), (604, 15072), (607, 15093),

Gene: Schiebel_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Schiebel_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: SgtBeansprout_17 Start: 11327, Stop: 15460, Start Num: 14

Candidate Starts for SgtBeansprout_17:

(10, 11288), (Start: 14 @11327 has 161 MA's), (23, 11396), (29, 11483), (37, 11561), (59, 11669), (63, 11690), (72, 11723), (90, 11855), (94, 11870), (95, 11876), (103, 11930), (110, 11960), (124, 12023), (127, 12044), (133, 12083), (144, 12161), (156, 12239), (159, 12263), (191, 12497), (209, 12578), (216, 12638), (224, 12695), (234, 12731), (239, 12764), (244, 12788), (257, 12854), (259, 12863), (269, 12923), (289, 13031), (294, 13076), (316, 13232), (326, 13343), (327, 13352), (328, 13364), (336, 13415), (340, 13433), (345, 13460), (351, 13490), (366, 13583), (375, 13622), (401, 13790), (406, 13844), (409, 13877), (419, 13922), (430, 14003), (431, 14006), (451, 14090), (453, 14096), (454, 14105), (460, 14147), (469, 14183), (471, 14201), (473, 14240), (481, 14300), (499, 14441), (510, 14501), (512, 14516), (539, 14858), (554, 15047), (555, 15056), (563, 15119), (607, 15395),

Gene: ShaboiShabazz_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for ShaboiShabazz_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321,

13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Shadow1_19 Start: 10962, Stop: 14963, Start Num: 15

Candidate Starts for Shadow1_19:

(Start: 15 @10962 has 37 MA's), (26, 11055), (34, 11160), (42, 11214), (45, 11232), (50, 11250), (56, 11280), (62, 11307), (64, 11313), (88, 11454), (91, 11472), (92, 11475), (116, 11589), (118, 11604), (138, 11721), (141, 11736), (153, 11817), (164, 11886), (173, 11946), (198, 12129), (199, 12135), (211, 12192), (224, 12282), (228, 12294), (230, 12300), (233, 12315), (237, 12336), (240, 12354), (255, 12429), (267, 12492), (269, 12504), (274, 12525), (281, 12564), (298, 12609), (302, 12624), (320, 12786), (330, 12876), (344, 12948), (351, 12987), (359, 13038), (362, 13059), (367, 13089), (369, 13095), (375, 13119), (381, 13170), (397, 13266), (401, 13287), (405, 13323), (409, 13374), (430, 13515), (451, 13602), (456, 13629), (471, 13713), (499, 13953), (512, 14028), (538, 14361), (546, 14463), (547, 14472), (554, 14544), (555, 14553), (565, 14628), (573, 14658), (578, 14679), (592, 14796), (601, 14847), (604, 14871), (609, 14910), (610, 14922),

Gene: Shaobing_21 Start: 11128, Stop: 15282, Start Num: 15

Candidate Starts for Shaobing_21:

(9, 11086), (Start: 15 @11128 has 37 MA's), (26, 11221), (42, 11380), (47, 11407), (68, 11497), (69, 11500), (82, 11587), (99, 11695), (116, 11764), (119, 11782), (134, 11866), (138, 11908), (141, 11923), (142, 11932), (147, 11959), (156, 12022), (163, 12064), (173, 12133), (180, 12196), (181, 12205), (198, 12319), (199, 12325), (208, 12361), (210, 12370), (211, 12382), (213, 12394), (215, 12412), (224, 12472), (228, 12484), (230, 12490), (233, 12505), (236, 12523), (237, 12526), (240, 12544), (243, 12559), (252, 12598), (263, 12655), (264, 12664), (268, 12688), (269, 12694), (274, 12715), (280, 12745), (284, 12778), (296, 12862), (299, 12892), (302, 12904), (315, 13006), (322, 13084), (327, 13129), (329, 13153), (339, 13207), (340, 13210), (343, 13225), (351, 13267), (354, 13294), (356, 13303), (359, 13318), (360, 13324), (361, 13327), (384, 13468), (389, 13504), (390, 13510), (394, 13528), (399, 13555), (401, 13567), (406, 13621), (409, 13654), (421, 13714), (430, 13795), (431, 13798), (451, 13882), (454, 13897), (473, 14032), (482, 14098), (499, 14233), (535, 14584), (554, 14839), (555, 14848), (561, 14914), (592, 15109), (596, 15130), (604, 15181), (606, 15199), (607, 15205), (611, 15244),

Gene: ShedlockHolmes_20 Start: 12197, Stop: 16345, Start Num: 14

Candidate Starts for ShedlockHolmes_20:

(Start: 14 @12197 has 161 MA's), (23, 12266), (24, 12287), (26, 12293), (29, 12353), (48, 12491), (59, 12536), (63, 12557), (76, 12602), (89, 12710), (90, 12722), (95, 12743), (103, 12797), (110, 12827), (115, 12848), (122, 12881), (124, 12890), (127, 12911), (133, 12950), (144, 13028), (150, 13070), (156, 13106), (159, 13130), (183, 13304), (191, 13364), (195, 13385), (196, 13394), (224, 13562), (231, 13583), (235, 13607), (239, 13631), (243, 13652), (248, 13670), (254, 13703), (261, 13745), (262, 13748), (263, 13751), (269, 13790), (271, 13799), (283, 13868), (297, 13979), (301, 14009), (324, 14207), (327, 14240), (342, 14330), (345, 14348), (351, 14378), (354, 14405), (390, 14621), (397, 14657), (405, 14714), (406, 14732), (409, 14765), (411, 14777), (421, 14825), (430, 14906), (431, 14909), (460, 15026), (473, 15119), (485, 15197), (497, 15296), (499, 15320), (512, 15395), (546, 15854), (548, 15866), (554, 15935), (555, 15944), (586, 16136), (588, 16154), (594, 16190), (596, 16199), (606, 16265), (607, 16271), (609, 16286), (610, 16298),

Gene: ShiaSurprise_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for ShiaSurprise_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830),

(133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: SirPhilip_20 Start: 10854, Stop: 14759, Start Num: 15

Candidate Starts for SirPhilip_20:

(Start: 15 @10854 has 37 MA's), (26, 10947), (34, 11052), (41, 11103), (42, 11106), (64, 11205), (79, 11286), (80, 11295), (86, 11334), (88, 11346), (91, 11364), (92, 11367), (94, 11376), (100, 11424), (104, 11439), (110, 11457), (112, 11463), (114, 11475), (138, 11613), (141, 11628), (152, 11694), (153, 11709), (198, 12021), (209, 12066), (210, 12072), (211, 12084), (215, 12114), (224, 12174), (228, 12186), (230, 12192), (233, 12207), (237, 12228), (240, 12246), (241, 12249), (262, 12354), (269, 12396), (274, 12417), (281, 12456), (301, 12510), (302, 12516), (327, 12675), (331, 12708), (349, 12753), (350, 12756), (351, 12759), (354, 12786), (355, 12789), (356, 12795), (361, 12819), (366, 12852), (373, 12885), (384, 12960), (392, 13014), (394, 13020), (397, 13038), (401, 13059), (404, 13092), (421, 13206), (430, 13287), (431, 13290), (451, 13374), (471, 13485), (473, 13524), (481, 13584), (499, 13725), (512, 13800), (547, 14253), (554, 14325), (560, 14379), (567, 14430), (586, 14556), (592, 14598), (604, 14673), (607, 14694),

Gene: Sizemore_16 Start: 11465, Stop: 15478, Start Num: 14

Candidate Starts for Sizemore_16:

(Start: 14 @11465 has 161 MA's), (33, 11666), (53, 11780), (63, 11822), (71, 11852), (90, 11987), (93, 11999), (95, 12008), (130, 12197), (133, 12215), (134, 12218), (136, 12239), (137, 12251), (148, 12323), (156, 12371), (174, 12503), (176, 12527), (187, 12608), (212, 12731), (223, 12815), (232, 12851), (239, 12896), (240, 12902), (261, 13010), (265, 13034), (269, 13055), (305, 13274), (321, 13424), (330, 13511), (350, 13619), (375, 13754), (390, 13865), (394, 13883), (400, 13913), (428, 14135), (435, 14159), (438, 14174), (442, 14195), (451, 14222), (456, 14249), (467, 14309), (474, 14399), (481, 14432), (492, 14495), (495, 14552), (499, 14585), (501, 14594), (548, 15098), (549, 15125), (552, 15155), (554, 15167), (555, 15176), (565, 15245), (584, 15326), (590, 15386), (593, 15404), (595, 15413),

Gene: Slimphazie_21 Start: 12080, Stop: 15916, Start Num: 14

Candidate Starts for Slimphazie_21:

(Start: 14 @12080 has 161 MA's), (23, 12149), (29, 12236), (57, 12413), (63, 12440), (78, 12512), (79, 12524), (80, 12533), (90, 12605), (103, 12680), (122, 12764), (124, 12773), (127, 12794), (133, 12833), (144, 12911), (156, 12989), (168, 13079), (177, 13154), (191, 13247), (193, 13256), (195, 13268), (196, 13277), (244, 13538), (248, 13553), (254, 13586), (269, 13673), (275, 13697), (289, 13781), (299, 13865), (302, 13877), (306, 13898), (351, 14054), (385, 14135), (394, 14183), (397, 14201), (401, 14222), (405, 14258), (409, 14309), (420, 14366), (430, 14444), (432, 14453), (451, 14531), (460, 14588), (471, 14642), (499, 14882), (512, 14957), (526, 15068), (537, 15287), (539, 15299), (554, 15485), (555, 15494), (565, 15566), (573, 15596), (578, 15617), (592, 15737), (604, 15809), (606, 15827), (607, 15833),

Gene: Sneeze_16 Start: 11453, Stop: 15478, Start Num: 14

Candidate Starts for Sneeze_16:

(Start: 14 @11453 has 161 MA's), (19, 11477), (33, 11654), (53, 11768), (63, 11810), (68, 11831), (71, 11840), (90, 11975), (95, 11996), (124, 12143), (130, 12185), (133, 12203), (134, 12206), (136, 12227), (137, 12239), (156, 12359), (165, 12425), (174, 12491), (176, 12515), (187, 12596), (212, 12719), (214, 12740), (229, 12830), (232, 12839), (240, 12890), (248, 12923), (251, 12941), (261, 12998), (269, 13043), (285, 13130), (289, 13151), (302, 13247), (305, 13262), (316, 13352), (320,

13409), (321, 13412), (344, 13571), (345, 13580), (350, 13607), (375, 13742), (394, 13871), (400, 13901), (428, 14123), (435, 14147), (438, 14162), (442, 14183), (456, 14237), (467, 14297), (474, 14387), (481, 14420), (484, 14435), (492, 14483), (495, 14540), (499, 14573), (541, 15005), (548, 15095), (549, 15122), (554, 15164), (555, 15173), (565, 15242), (571, 15269), (584, 15326), (590, 15386), (593, 15404), (595, 15413),

Gene: SoSeph_19 Start: 12264, Stop: 16394, Start Num: 13

Candidate Starts for SoSeph_19:

(Start: 13 @12264 has 28 MA's), (24, 12357), (30, 12435), (32, 12459), (39, 12519), (59, 12603), (61, 12615), (80, 12717), (89, 12777), (90, 12789), (95, 12810), (103, 12864), (114, 12912), (124, 12957), (127, 12978), (144, 13095), (156, 13173), (159, 13197), (168, 13263), (177, 13338), (191, 13431), (196, 13461), (226, 13635), (229, 13644), (235, 13674), (239, 13698), (243, 13719), (255, 13779), (269, 13857), (271, 13866), (285, 13944), (294, 14010), (300, 14052), (302, 14061), (309, 14145), (316, 14166), (318, 14199), (334, 14340), (336, 14349), (340, 14367), (345, 14394), (357, 14472), (375, 14556), (392, 14679), (402, 14745), (430, 14940), (437, 14970), (443, 14997), (445, 15003), (452, 15030), (457, 15075), (461, 15090), (462, 15096), (473, 15180), (480, 15228), (486, 15267), (493, 15327), (494, 15360), (498, 15381), (503, 15405), (507, 15438), (520, 15522), (528, 15594), (546, 15903), (550, 15957), (552, 15972), (554, 15984), (559, 16014), (589, 16200), (592, 16224), (594, 16236), (608, 16323), (610, 16347),

Gene: Spock_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Spock_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: Stargaze_16 Start: 11766, Stop: 15800, Start Num: 15

Candidate Starts for Stargaze_16:

(Start: 15 @11766 has 37 MA's), (26, 11862), (33, 11967), (45, 12042), (50, 12060), (52, 12072), (56, 12090), (62, 12117), (64, 12123), (82, 12231), (84, 12237), (86, 12252), (88, 12264), (91, 12282), (98, 12327), (107, 12363), (111, 12378), (114, 12393), (116, 12399), (134, 12501), (138, 12543), (141, 12558), (147, 12594), (156, 12657), (158, 12678), (161, 12687), (170, 12750), (173, 12768), (192, 12909), (198, 12951), (205, 12981), (206, 12984), (208, 12993), (210, 13002), (215, 13044), (227, 13113), (228, 13116), (230, 13122), (233, 13137), (237, 13158), (238, 13167), (258, 13263), (265, 13305), (269, 13326), (275, 13350), (277, 13362), (278, 13365), (286, 13422), (292, 13455), (296, 13494), (302, 13536), (303, 13539), (316, 13641), (321, 13701), (322, 13716), (326, 13752), (334, 13815), (338, 13836), (350, 13896), (369, 14007), (375, 14031), (381, 14082), (382, 14088), (402, 14220), (424, 14352), (435, 14436), (438, 14451), (455, 14517), (470, 14586), (474, 14667), (477, 14676), (492, 14769), (495, 14826), (499, 14859), (509, 14919), (511, 14934), (535, 15213), (548, 15402), (549, 15429), (554, 15471), (590, 15708), (593, 15726), (596, 15741), (597, 15753),

Gene: Stinson_21 Start: 12048, Stop: 15881, Start Num: 14

Candidate Starts for Stinson_21:

(Start: 14 @12048 has 161 MA's), (23, 12117), (29, 12204), (57, 12384), (63, 12411), (79, 12495), (80, 12504), (89, 12564), (90, 12576), (103, 12651), (113, 12693), (122, 12735), (124, 12744), (127, 12765), (133, 12804), (144, 12882), (156, 12960), (177, 13125), (191, 13218), (195, 13239), (196, 13248), (239, 13485), (244, 13509), (248, 13524), (254, 13557), (269, 13644), (289, 13752), (299,

13836), (302, 13848), (306, 13869), (315, 13950), (351, 14025), (385, 14106), (387, 14115), (394, 14154), (397, 14172), (401, 14193), (405, 14229), (409, 14280), (420, 14337), (430, 14415), (432, 14424), (451, 14502), (454, 14517), (460, 14559), (471, 14613), (499, 14853), (512, 14928), (526, 15039), (537, 15258), (546, 15372), (554, 15453), (555, 15462), (565, 15534), (573, 15564), (578, 15585), (592, 15702), (604, 15774), (607, 15798),

Gene: Strobilo_17 Start: 10116, Stop: 13787, Start Num: 13

Candidate Starts for Strobilo_17:

(Start: 13 @10116 has 28 MA's), (23, 10188), (67, 10422), (78, 10473), (90, 10566), (95, 10587), (103, 10641), (124, 10734), (127, 10755), (130, 10776), (131, 10782), (144, 10872), (150, 10914), (156, 10950), (162, 10983), (163, 10995), (166, 11019), (168, 11040), (172, 11064), (173, 11070), (176, 11106), (177, 11115), (183, 11148), (185, 11160), (187, 11187), (223, 11370), (224, 11382), (226, 11388), (232, 11406), (235, 11427), (239, 11451), (244, 11475), (246, 11484), (250, 11499), (260, 11511), (287, 11544), (294, 11592), (311, 11733), (312, 11739), (317, 11775), (323, 11802), (328, 11820), (341, 11850), (358, 11946), (364, 11979), (381, 12015), (391, 12066), (397, 12099), (401, 12120), (403, 12144), (407, 12174), (410, 12195), (460, 12417), (473, 12510), (485, 12588), (499, 12711), (516, 12816), (522, 12864), (546, 13284), (547, 13293), (549, 13323), (576, 13488), (592, 13617), (607, 13710),

Gene: Sulley_21 Start: 12049, Stop: 15882, Start Num: 14

Candidate Starts for Sulley_21:

(Start: 14 @12049 has 161 MA's), (23, 12118), (29, 12205), (57, 12382), (63, 12409), (79, 12493), (80, 12502), (90, 12574), (103, 12649), (122, 12733), (124, 12742), (127, 12763), (133, 12802), (144, 12880), (156, 12958), (168, 13048), (177, 13123), (191, 13216), (195, 13237), (196, 13246), (239, 13483), (248, 13522), (254, 13555), (269, 13642), (275, 13666), (289, 13750), (299, 13834), (302, 13846), (306, 13867), (351, 14023), (385, 14104), (394, 14152), (397, 14170), (401, 14191), (405, 14227), (409, 14278), (420, 14335), (430, 14413), (432, 14422), (451, 14500), (454, 14515), (460, 14557), (471, 14611), (499, 14851), (512, 14926), (526, 15037), (537, 15256), (539, 15268), (554, 15451), (555, 15460), (573, 15562), (578, 15583), (592, 15703), (604, 15775), (606, 15793), (607, 15799),

Gene: Sunflower1121_19 Start: 10973, Stop: 14974, Start Num: 15

Candidate Starts for Sunflower1121_19:

(7, 10925), (Start: 15 @10973 has 37 MA's), (26, 11066), (34, 11171), (42, 11225), (45, 11243), (50, 11261), (56, 11291), (62, 11318), (64, 11324), (77, 11369), (88, 11465), (91, 11483), (92, 11486), (116, 11600), (118, 11615), (138, 11732), (141, 11747), (153, 11828), (163, 11888), (164, 11897), (173, 11957), (198, 12140), (199, 12146), (211, 12203), (224, 12293), (228, 12305), (230, 12311), (233, 12326), (237, 12347), (240, 12365), (255, 12440), (267, 12503), (269, 12515), (274, 12536), (281, 12575), (298, 12620), (302, 12635), (320, 12797), (327, 12860), (330, 12887), (344, 12959), (351, 12998), (359, 13049), (362, 13070), (367, 13100), (369, 13106), (375, 13130), (381, 13181), (401, 13298), (405, 13334), (409, 13385), (430, 13526), (451, 13613), (456, 13640), (471, 13724), (499, 13964), (512, 14039), (538, 14372), (546, 14474), (547, 14483), (554, 14555), (555, 14564), (565, 14639), (573, 14669), (578, 14690), (592, 14807), (601, 14858), (604, 14882), (609, 14921), (610, 14933),

Gene: Sweets_16 Start: 11459, Stop: 15472, Start Num: 14

Candidate Starts for Sweets_16:

(Start: 14 @11459 has 161 MA's), (33, 11660), (53, 11774), (63, 11816), (71, 11846), (90, 11981), (93, 11993), (95, 12002), (130, 12191), (133, 12209), (134, 12212), (136, 12233), (137, 12245), (148, 12317), (156, 12365), (174, 12497), (176, 12521), (187, 12602), (212, 12725), (223, 12809), (232, 12845), (239, 12890), (240, 12896), (261, 13004), (265, 13028), (269, 13049), (305, 13268), (321, 13418), (330, 13505), (350, 13613), (375, 13748), (390, 13859), (394, 13877), (400, 13907), (428, 14129), (435, 14153), (438, 14168), (442, 14189), (451, 14216), (456, 14243), (467, 14303), (474,

14393), (481, 14426), (492, 14489), (495, 14546), (499, 14579), (501, 14588), (548, 15092), (549, 15119), (552, 15149), (554, 15161), (555, 15170), (565, 15239), (584, 15320), (590, 15380), (593, 15398), (595, 15407),

Gene: Syra333_20 Start: 11068, Stop: 15069, Start Num: 15

Candidate Starts for Syra333_20:

(Start: 15 @11068 has 37 MA's), (26, 11161), (34, 11266), (42, 11320), (45, 11338), (50, 11356), (56, 11386), (62, 11413), (64, 11419), (77, 11464), (88, 11560), (91, 11578), (92, 11581), (116, 11695), (118, 11710), (138, 11827), (141, 11842), (153, 11923), (163, 11983), (164, 11992), (173, 12052), (198, 12235), (199, 12241), (211, 12298), (224, 12388), (228, 12400), (230, 12406), (233, 12421), (237, 12442), (240, 12460), (255, 12535), (262, 12568), (267, 12598), (269, 12610), (274, 12631), (281, 12670), (298, 12715), (302, 12730), (320, 12892), (327, 12955), (330, 12982), (344, 13054), (351, 13093), (359, 13144), (362, 13165), (367, 13195), (369, 13201), (375, 13225), (381, 13276), (397, 13372), (401, 13393), (405, 13429), (409, 13480), (430, 13621), (431, 13624), (451, 13708), (456, 13735), (471, 13819), (472, 13831), (499, 14059), (512, 14134), (554, 14650), (555, 14659), (565, 14734), (573, 14764), (578, 14785), (592, 14902), (604, 14977), (609, 15016), (610, 15028),

Gene: TBond007_20 Start: 11948, Stop: 16126, Start Num: 14

Candidate Starts for TBond007_20:

(Start: 14 @11948 has 161 MA's), (23, 12017), (24, 12038), (26, 12044), (29, 12104), (48, 12242), (59, 12287), (63, 12308), (89, 12461), (90, 12473), (95, 12494), (103, 12548), (110, 12578), (115, 12599), (122, 12632), (124, 12641), (127, 12662), (133, 12701), (144, 12779), (150, 12821), (156, 12857), (159, 12881), (183, 13055), (187, 13094), (191, 13115), (195, 13136), (196, 13145), (224, 13313), (231, 13334), (235, 13358), (239, 13382), (243, 13403), (248, 13421), (254, 13454), (261, 13496), (262, 13499), (263, 13502), (269, 13541), (271, 13550), (283, 13619), (297, 13730), (301, 13760), (324, 13958), (327, 13991), (342, 14081), (345, 14099), (351, 14129), (354, 14156), (390, 14372), (397, 14408), (405, 14465), (406, 14483), (408, 14504), (409, 14516), (421, 14576), (430, 14657), (439, 14696), (448, 14729), (451, 14744), (453, 14750), (454, 14759), (460, 14801), (473, 14894), (485, 14972), (499, 15095), (512, 15170), (546, 15635), (548, 15647), (554, 15716), (555, 15725), (586, 15917), (594, 15971), (596, 15980), (606, 16046), (607, 16052), (609, 16067), (610, 16079),

Gene: TClif_20 Start: 11063, Stop: 15118, Start Num: 15

Candidate Starts for TClif_20:

(7, 11015), (Start: 15 @11063 has 37 MA's), (18, 11081), (26, 11156), (42, 11315), (62, 11408), (65, 11417), (69, 11435), (74, 11450), (80, 11504), (86, 11543), (88, 11555), (92, 11576), (98, 11618), (104, 11648), (112, 11672), (132, 11783), (138, 11822), (141, 11837), (142, 11846), (147, 11873), (156, 11936), (173, 12047), (178, 12098), (198, 12230), (209, 12275), (210, 12281), (215, 12323), (224, 12383), (228, 12395), (230, 12401), (233, 12416), (237, 12437), (240, 12455), (243, 12470), (251, 12506), (262, 12563), (267, 12593), (269, 12605), (273, 12623), (297, 12689), (301, 12719), (302, 12725), (313, 12824), (316, 12830), (327, 12950), (333, 12998), (336, 13013), (343, 13046), (345, 13058), (351, 13088), (356, 13124), (359, 13139), (360, 13145), (363, 13172), (369, 13196), (375, 13220), (379, 13250), (381, 13271), (394, 13349), (401, 13388), (405, 13424), (409, 13475), (422, 13538), (430, 13616), (431, 13619), (436, 13643), (451, 13703), (473, 13853), (499, 14054), (512, 14129), (521, 14198), (554, 14678), (555, 14687), (559, 14708), (565, 14783), (567, 14795), (573, 14813), (578, 14834), (592, 14951), (604, 15026), (606, 15044), (607, 15050), (609, 15065), (610, 15077), (611, 15089), (612, 15092), (614, 15113),

Gene: Tachez_21 Start: 12042, Stop: 15878, Start Num: 14

Candidate Starts for Tachez_21:

(Start: 14 @12042 has 161 MA's), (23, 12111), (29, 12198), (57, 12375), (63, 12402), (78, 12474), (79, 12486), (80, 12495), (90, 12567), (103, 12642), (122, 12726), (124, 12735), (127, 12756), (133, 12795), (144, 12873), (156, 12951), (168, 13041), (177, 13116), (191, 13209), (193, 13218), (195, 13230), (196, 13239), (244, 13500), (248, 13515), (254, 13548), (269, 13635), (275, 13659), (289,

13743), (299, 13827), (302, 13839), (306, 13860), (351, 14016), (385, 14097), (394, 14145), (397, 14163), (401, 14184), (405, 14220), (409, 14271), (420, 14328), (430, 14406), (432, 14415), (451, 14493), (460, 14550), (471, 14604), (499, 14844), (512, 14919), (526, 15030), (537, 15249), (539, 15261), (554, 15447), (555, 15456), (565, 15528), (573, 15558), (578, 15579), (592, 15699), (604, 15771), (606, 15789), (607, 15795),

Gene: Taheera_16 Start: 11466, Stop: 15491, Start Num: 14

Candidate Starts for Taheera_16:

(Start: 14 @11466 has 161 MA's), (19, 11490), (33, 11667), (53, 11781), (63, 11823), (68, 11844), (71, 11853), (90, 11988), (95, 12009), (124, 12156), (130, 12198), (133, 12216), (134, 12219), (135, 12234), (136, 12240), (137, 12252), (156, 12372), (165, 12438), (174, 12504), (176, 12528), (187, 12609), (212, 12732), (214, 12753), (223, 12816), (229, 12843), (232, 12852), (240, 12903), (251, 12954), (261, 13011), (269, 13056), (285, 13143), (302, 13260), (305, 13275), (316, 13365), (320, 13422), (321, 13425), (342, 13575), (345, 13593), (394, 13884), (400, 13914), (428, 14136), (435, 14160), (438, 14175), (442, 14196), (456, 14250), (467, 14310), (474, 14400), (481, 14433), (484, 14448), (492, 14496), (495, 14553), (499, 14586), (541, 15018), (548, 15108), (549, 15135), (554, 15177), (555, 15186), (565, 15255), (571, 15282), (584, 15339), (590, 15399), (593, 15417), (595, 15426),

Gene: TaiwanKao_22 Start: 12053, Stop: 15889, Start Num: 14

Candidate Starts for TaiwanKao_22:

(Start: 14 @12053 has 161 MA's), (23, 12122), (29, 12209), (57, 12389), (63, 12416), (79, 12500), (80, 12509), (89, 12569), (90, 12581), (103, 12656), (113, 12698), (122, 12740), (124, 12749), (127, 12770), (133, 12809), (144, 12887), (156, 12965), (177, 13130), (191, 13223), (193, 13232), (195, 13244), (196, 13253), (239, 13490), (244, 13514), (248, 13529), (254, 13562), (269, 13649), (275, 13673), (289, 13757), (299, 13841), (302, 13853), (315, 13955), (351, 14030), (385, 14111), (394, 14159), (397, 14177), (400, 14189), (401, 14198), (405, 14234), (409, 14285), (420, 14342), (430, 14420), (432, 14429), (451, 14507), (454, 14522), (460, 14564), (471, 14618), (499, 14858), (512, 14933), (526, 15044), (537, 15263), (539, 15275), (546, 15377), (554, 15458), (555, 15467), (565, 15539), (573, 15569), (578, 15590), (592, 15710), (604, 15782), (606, 15800), (607, 15806),

Gene: Teejan_17 Start: 11327, Stop: 15460, Start Num: 14

Candidate Starts for Teejan_17:

(10, 11288), (Start: 14 @11327 has 161 MA's), (23, 11396), (29, 11483), (37, 11561), (59, 11669), (63, 11690), (72, 11723), (90, 11855), (94, 11870), (95, 11876), (103, 11930), (110, 11960), (124, 12023), (127, 12044), (133, 12083), (144, 12161), (156, 12239), (159, 12263), (191, 12497), (209, 12578), (216, 12638), (224, 12695), (234, 12731), (239, 12764), (244, 12788), (257, 12854), (259, 12863), (269, 12923), (289, 13031), (294, 13076), (316, 13232), (326, 13343), (327, 13352), (328, 13364), (336, 13415), (340, 13433), (345, 13460), (351, 13490), (366, 13583), (375, 13622), (401, 13790), (406, 13844), (409, 13877), (419, 13922), (430, 14003), (431, 14006), (451, 14090), (453, 14096), (454, 14105), (460, 14147), (469, 14183), (471, 14201), (473, 14240), (481, 14300), (499, 14441), (510, 14501), (512, 14516), (539, 14858), (554, 15047), (555, 15056), (563, 15119), (607, 15395),

Gene: Terror_16 Start: 11466, Stop: 15491, Start Num: 14

Candidate Starts for Terror_16:

(Start: 14 @11466 has 161 MA's), (19, 11490), (33, 11667), (53, 11781), (63, 11823), (68, 11844), (71, 11853), (90, 11988), (95, 12009), (124, 12156), (130, 12198), (133, 12216), (134, 12219), (135, 12234), (136, 12240), (137, 12252), (156, 12372), (165, 12438), (174, 12504), (176, 12528), (187, 12609), (212, 12732), (214, 12753), (223, 12816), (229, 12843), (232, 12852), (240, 12903), (251, 12954), (261, 13011), (269, 13056), (285, 13143), (302, 13260), (305, 13275), (316, 13365), (320, 13422), (321, 13425), (342, 13575), (345, 13593), (394, 13884), (400, 13914), (428, 14136), (435, 14160), (438, 14175), (442, 14196), (456, 14250), (467, 14310), (474, 14400), (481, 14433), (484, 14448), (492, 14496), (495, 14553), (499, 14586), (541, 15018), (548, 15108), (549, 15135), (554,

15177), (555, 15186), (565, 15255), (571, 15282), (584, 15339), (590, 15399), (593, 15417), (595, 15426),

Gene: Thyatira_19 Start: 12136, Stop: 16245, Start Num: 13

Candidate Starts for Thyatira_19:

(Start: 13 @12136 has 28 MA's), (39, 12394), (59, 12478), (76, 12544), (80, 12592), (89, 12652), (90, 12664), (95, 12685), (103, 12739), (110, 12769), (124, 12832), (127, 12853), (135, 12910), (144, 12970), (156, 13048), (159, 13072), (165, 13114), (170, 13147), (191, 13306), (195, 13327), (214, 13405), (223, 13468), (225, 13483), (226, 13486), (229, 13495), (231, 13501), (233, 13513), (242, 13567), (263, 13669), (269, 13708), (294, 13861), (300, 13903), (305, 13927), (316, 14017), (318, 14050), (334, 14191), (336, 14200), (340, 14218), (345, 14245), (357, 14323), (375, 14407), (392, 14530), (402, 14596), (417, 14698), (430, 14791), (432, 14800), (437, 14821), (445, 14854), (456, 14905), (457, 14926), (461, 14941), (462, 14947), (473, 15031), (475, 15061), (480, 15079), (486, 15118), (493, 15178), (494, 15211), (498, 15232), (503, 15256), (507, 15289), (520, 15373), (528, 15445), (546, 15754), (550, 15808), (552, 15823), (554, 15835), (559, 15865), (589, 16051), (592, 16075), (594, 16087), (608, 16174), (610, 16198),

Gene: Tierra_20 Start: 11792, Stop: 15793, Start Num: 15

Candidate Starts for Tierra_20:

(Start: 15 @11792 has 37 MA's), (26, 11885), (34, 11990), (38, 12017), (42, 12044), (45, 12062), (50, 12080), (55, 12104), (56, 12110), (62, 12137), (64, 12143), (74, 12179), (77, 12188), (78, 12212), (88, 12284), (91, 12302), (92, 12305), (118, 12434), (138, 12551), (153, 12647), (158, 12686), (164, 12716), (173, 12776), (198, 12959), (199, 12965), (200, 12968), (211, 13022), (215, 13052), (224, 13112), (228, 13124), (230, 13130), (233, 13145), (237, 13166), (240, 13184), (267, 13322), (269, 13334), (274, 13355), (281, 13394), (301, 13448), (302, 13454), (320, 13616), (327, 13679), (340, 13760), (343, 13775), (351, 13817), (359, 13868), (362, 13889), (367, 13919), (369, 13925), (375, 13949), (381, 14000), (390, 14060), (401, 14117), (405, 14153), (406, 14171), (409, 14204), (430, 14345), (431, 14348), (451, 14432), (456, 14459), (471, 14543), (499, 14783), (512, 14858), (538, 15191), (546, 15293), (547, 15302), (554, 15374), (565, 15458), (573, 15488), (578, 15509), (592, 15626), (604, 15701), (609, 15740), (610, 15752),

Gene: TinaBug_16 Start: 11459, Stop: 15472, Start Num: 14

Candidate Starts for TinaBug_16:

(Start: 14 @11459 has 161 MA's), (33, 11660), (53, 11774), (63, 11816), (71, 11846), (90, 11981), (93, 11993), (95, 12002), (130, 12191), (133, 12209), (134, 12212), (136, 12233), (137, 12245), (148, 12317), (156, 12365), (174, 12497), (176, 12521), (187, 12602), (212, 12725), (223, 12809), (232, 12845), (239, 12890), (240, 12896), (261, 13004), (265, 13028), (269, 13049), (305, 13268), (321, 13418), (330, 13505), (350, 13613), (375, 13748), (390, 13859), (394, 13877), (400, 13907), (428, 14129), (435, 14153), (438, 14168), (442, 14189), (451, 14216), (456, 14243), (467, 14303), (474, 14393), (481, 14426), (492, 14489), (495, 14546), (499, 14579), (501, 14588), (548, 15092), (549, 15119), (552, 15149), (554, 15161), (555, 15170), (565, 15239), (584, 15320), (590, 15380), (593, 15398), (595, 15407),

Gene: TingHuaYa_21 Start: 11093, Stop: 15220, Start Num: 15

Candidate Starts for TingHuaYa_21:

(9, 11045), (Start: 15 @11093 has 37 MA's), (26, 11186), (38, 11318), (41, 11342), (47, 11372), (52, 11393), (55, 11405), (62, 11438), (69, 11465), (82, 11552), (88, 11585), (91, 11603), (92, 11606), (98, 11648), (110, 11696), (134, 11822), (138, 11864), (141, 11879), (147, 11915), (157, 11987), (173, 12089), (198, 12272), (208, 12314), (209, 12317), (210, 12323), (211, 12335), (215, 12365), (224, 12425), (230, 12443), (233, 12458), (236, 12476), (237, 12479), (243, 12512), (260, 12593), (263, 12608), (269, 12647), (274, 12668), (299, 12845), (302, 12857), (304, 12866), (307, 12917), (315, 12959), (327, 13082), (329, 13106), (340, 13163), (343, 13178), (344, 13181), (354, 13247), (356, 13256), (361, 13280), (369, 13328), (381, 13403), (384, 13421), (394, 13481), (399, 13508), (401,

13520), (405, 13556), (406, 13574), (412, 13619), (416, 13649), (421, 13667), (430, 13748), (431, 13751), (451, 13835), (454, 13850), (459, 13889), (460, 13892), (473, 13985), (482, 14051), (499, 14186), (535, 14537), (546, 14708), (554, 14789), (565, 14873), (592, 15041), (604, 15113), (606, 15131), (607, 15137),

Gene: TiniBug_21 Start: 12024, Stop: 15860, Start Num: 14

Candidate Starts for TiniBug_21:

(Start: 14 @12024 has 161 MA's), (23, 12093), (29, 12180), (57, 12360), (63, 12387), (79, 12471), (80, 12480), (89, 12540), (90, 12552), (103, 12627), (113, 12669), (122, 12711), (124, 12720), (127, 12741), (133, 12780), (144, 12858), (156, 12936), (177, 13101), (191, 13194), (195, 13215), (196, 13224), (239, 13461), (244, 13485), (248, 13500), (254, 13533), (269, 13620), (285, 13707), (289, 13728), (299, 13812), (302, 13824), (306, 13845), (351, 14001), (385, 14082), (397, 14148), (401, 14169), (405, 14205), (409, 14256), (415, 14274), (420, 14313), (430, 14391), (451, 14478), (454, 14493), (460, 14535), (471, 14589), (499, 14829), (512, 14904), (526, 15015), (528, 15036), (529, 15057), (535, 15177), (546, 15348), (554, 15429), (555, 15438), (565, 15510), (573, 15540), (578, 15561), (592, 15681), (604, 15753), (606, 15771), (607, 15777),

Gene: Tiri_21 Start: 12088, Stop: 15921, Start Num: 14

Candidate Starts for Tiri_21:

(3, 11869), (10, 12049), (Start: 14 @12088 has 161 MA's), (23, 12157), (29, 12244), (57, 12421), (63, 12448), (79, 12532), (80, 12541), (90, 12613), (103, 12688), (122, 12772), (124, 12781), (127, 12802), (133, 12841), (144, 12919), (156, 12997), (168, 13087), (177, 13162), (191, 13255), (193, 13264), (195, 13276), (196, 13285), (229, 13468), (239, 13522), (248, 13561), (254, 13594), (269, 13681), (275, 13705), (289, 13789), (299, 13873), (302, 13885), (306, 13906), (351, 14062), (385, 14143), (394, 14191), (397, 14209), (401, 14230), (405, 14266), (409, 14317), (420, 14374), (430, 14452), (432, 14461), (451, 14539), (460, 14596), (471, 14650), (499, 14890), (512, 14965), (526, 15076), (537, 15295), (539, 15307), (546, 15409), (554, 15490), (555, 15499), (573, 15601), (578, 15622), (592, 15742), (604, 15814), (606, 15832), (607, 15838),

Gene: TomBrady_16 Start: 11465, Stop: 15478, Start Num: 14

Candidate Starts for TomBrady_16:

(Start: 14 @11465 has 161 MA's), (33, 11666), (53, 11780), (63, 11822), (71, 11852), (90, 11987), (93, 11999), (95, 12008), (130, 12197), (133, 12215), (134, 12218), (136, 12239), (137, 12251), (148, 12323), (156, 12371), (174, 12503), (176, 12527), (187, 12608), (212, 12731), (223, 12815), (232, 12851), (239, 12896), (240, 12902), (261, 13010), (265, 13034), (269, 13055), (305, 13274), (321, 13424), (330, 13511), (350, 13619), (375, 13754), (390, 13865), (394, 13883), (400, 13913), (428, 14135), (435, 14159), (438, 14174), (442, 14195), (451, 14222), (456, 14249), (467, 14309), (474, 14399), (481, 14432), (492, 14495), (495, 14552), (499, 14585), (501, 14594), (548, 15098), (549, 15125), (552, 15155), (554, 15167), (555, 15176), (565, 15245), (584, 15326), (590, 15386), (593, 15404), (595, 15413),

Gene: Topper_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Topper_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: Torres_17 Start: 11327, Stop: 15460, Start Num: 14

Candidate Starts for Torres_17:

(10, 11288), (Start: 14 @11327 has 161 MA's), (23, 11396), (29, 11483), (37, 11561), (59, 11669), (63, 11690), (72, 11723), (90, 11855), (94, 11870), (95, 11876), (103, 11930), (110, 11960), (124, 12023), (127, 12044), (133, 12083), (144, 12161), (156, 12239), (159, 12263), (191, 12497), (209, 12578), (216, 12638), (224, 12695), (234, 12731), (239, 12764), (244, 12788), (257, 12854), (259, 12863), (269, 12923), (289, 13031), (294, 13076), (316, 13232), (326, 13343), (327, 13352), (328, 13364), (336, 13415), (340, 13433), (345, 13460), (351, 13490), (366, 13583), (375, 13622), (401, 13790), (406, 13844), (409, 13877), (419, 13922), (430, 14003), (431, 14006), (451, 14090), (453, 14096), (454, 14105), (460, 14147), (469, 14183), (471, 14201), (473, 14240), (481, 14300), (499, 14441), (510, 14501), (512, 14516), (539, 14858), (554, 15047), (555, 15056), (563, 15119), (607, 15395),

Gene: TreyKay_21 Start: 12047, Stop: 15883, Start Num: 14

Candidate Starts for TreyKay_21:

(Start: 14 @12047 has 161 MA's), (23, 12116), (29, 12203), (57, 12383), (63, 12410), (80, 12503), (89, 12563), (90, 12575), (103, 12650), (115, 12701), (124, 12743), (127, 12764), (133, 12803), (144, 12881), (156, 12959), (159, 12983), (177, 13124), (191, 13217), (193, 13226), (195, 13238), (196, 13247), (239, 13484), (244, 13508), (248, 13523), (254, 13556), (269, 13643), (275, 13667), (289, 13751), (299, 13835), (302, 13847), (306, 13868), (315, 13949), (351, 14024), (385, 14105), (394, 14153), (397, 14171), (400, 14183), (401, 14192), (405, 14228), (409, 14279), (420, 14336), (430, 14414), (432, 14423), (451, 14501), (454, 14516), (460, 14558), (471, 14612), (499, 14852), (512, 14927), (526, 15038), (537, 15257), (539, 15269), (546, 15371), (554, 15452), (555, 15461), (565, 15533), (573, 15563), (578, 15584), (592, 15704), (604, 15776), (606, 15794), (607, 15800),

Gene: TribbleTrouble_19 Start: 12006, Stop: 16166, Start Num: 14

Candidate Starts for TribbleTrouble_19:

(Start: 14 @12006 has 161 MA's), (23, 12075), (24, 12096), (26, 12102), (29, 12162), (54, 12327), (59, 12345), (63, 12366), (68, 12387), (76, 12411), (79, 12450), (87, 12513), (89, 12519), (90, 12531), (103, 12606), (124, 12699), (127, 12720), (133, 12759), (144, 12837), (151, 12882), (156, 12915), (159, 12939), (165, 12981), (183, 13113), (191, 13173), (195, 13194), (196, 13203), (214, 13296), (224, 13371), (235, 13416), (239, 13440), (243, 13461), (249, 13485), (253, 13509), (262, 13557), (269, 13599), (293, 13755), (299, 13812), (320, 13986), (324, 14016), (327, 14049), (351, 14187), (354, 14214), (361, 14247), (371, 14301), (375, 14319), (379, 14349), (390, 14430), (397, 14466), (406, 14541), (409, 14574), (417, 14619), (421, 14634), (430, 14715), (431, 14718), (448, 14787), (451, 14802), (453, 14808), (454, 14817), (471, 14913), (473, 14952), (485, 15030), (497, 15129), (499, 15153), (512, 15228), (543, 15654), (546, 15684), (547, 15693), (548, 15696), (555, 15774), (578, 15900), (586, 15960), (588, 15978), (602, 16056), (607, 16092), (609, 16107), (610, 16119), (615, 16158),

Gene: TruffulaTree_21 Start: 12076, Stop: 15912, Start Num: 14

Candidate Starts for TruffulaTree_21:

(Start: 14 @12076 has 161 MA's), (23, 12145), (29, 12232), (57, 12409), (63, 12436), (78, 12508), (79, 12520), (80, 12529), (90, 12601), (103, 12676), (122, 12760), (124, 12769), (127, 12790), (133, 12829), (144, 12907), (156, 12985), (168, 13075), (177, 13150), (191, 13243), (193, 13252), (195, 13264), (196, 13273), (244, 13534), (248, 13549), (254, 13582), (269, 13669), (275, 13693), (289, 13777), (299, 13861), (302, 13873), (306, 13894), (351, 14050), (385, 14131), (394, 14179), (397, 14197), (401, 14218), (405, 14254), (409, 14305), (420, 14362), (430, 14440), (432, 14449), (451, 14527), (460, 14584), (471, 14638), (499, 14878), (512, 14953), (526, 15064), (537, 15283), (539, 15295), (554, 15481), (555, 15490), (565, 15562), (573, 15592), (578, 15613), (592, 15733), (604, 15805), (606, 15823), (607, 15829),

Gene: Twitch_21 Start: 12116, Stop: 15949, Start Num: 14

Candidate Starts for Twitch_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (29, 12272), (37, 12347), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (137, 12905), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (454, 14582), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15518), (555, 15527), (565, 15599), (573, 15629), (578, 15650), (592, 15770), (604, 15842), (606, 15860), (607, 15866),

Gene: Unicorn_20 Start: 11123, Stop: 15124, Start Num: 15

Candidate Starts for Unicorn_20:

(Start: 15 @11123 has 37 MA's), (26, 11216), (34, 11321), (42, 11375), (45, 11393), (50, 11411), (55, 11435), (56, 11441), (62, 11468), (64, 11474), (66, 11486), (77, 11519), (88, 11615), (91, 11633), (92, 11636), (116, 11750), (118, 11765), (138, 11882), (153, 11978), (158, 12017), (163, 12038), (164, 12047), (173, 12107), (198, 12290), (199, 12296), (200, 12299), (211, 12353), (215, 12383), (224, 12443), (228, 12455), (230, 12461), (233, 12476), (237, 12497), (240, 12515), (267, 12653), (269, 12665), (274, 12686), (281, 12725), (301, 12779), (302, 12785), (315, 12887), (320, 12947), (327, 13010), (340, 13091), (343, 13106), (344, 13109), (351, 13148), (356, 13184), (359, 13199), (360, 13205), (363, 13232), (369, 13256), (381, 13331), (390, 13391), (401, 13448), (405, 13484), (409, 13535), (430, 13676), (431, 13679), (451, 13763), (456, 13790), (471, 13874), (473, 13913), (499, 14114), (512, 14189), (533, 14408), (538, 14522), (546, 14624), (547, 14633), (554, 14705), (565, 14789), (573, 14819), (578, 14840), (592, 14957), (604, 15032), (609, 15071), (610, 15083),

Gene: Urkel_21 Start: 12024, Stop: 15863, Start Num: 14

Candidate Starts for Urkel_21:

(Start: 14 @12024 has 161 MA's), (23, 12093), (29, 12180), (57, 12360), (63, 12387), (79, 12471), (80, 12480), (89, 12540), (90, 12552), (103, 12627), (115, 12678), (124, 12720), (127, 12741), (133, 12780), (144, 12858), (156, 12936), (159, 12960), (177, 13101), (191, 13194), (195, 13215), (196, 13224), (239, 13461), (244, 13485), (248, 13500), (254, 13533), (269, 13620), (285, 13707), (289, 13728), (299, 13812), (302, 13824), (306, 13845), (351, 14001), (385, 14082), (397, 14148), (401, 14169), (405, 14205), (409, 14256), (415, 14274), (420, 14313), (430, 14391), (451, 14478), (454, 14493), (460, 14535), (471, 14589), (499, 14829), (512, 14904), (526, 15015), (528, 15036), (529, 15057), (535, 15177), (546, 15351), (554, 15432), (555, 15441), (565, 15513), (573, 15543), (578, 15564), (592, 15684), (604, 15756), (606, 15774), (607, 15780),

Gene: Validus_21 Start: 11056, Stop: 15213, Start Num: 15

Candidate Starts for Validus_21:

(9, 11008), (Start: 15 @11056 has 37 MA's), (26, 11149), (27, 11161), (41, 11305), (42, 11308), (69, 11428), (82, 11515), (88, 11548), (99, 11623), (100, 11626), (116, 11692), (134, 11794), (138, 11836), (141, 11851), (142, 11860), (147, 11887), (152, 11917), (156, 11950), (163, 11992), (173, 12061), (198, 12247), (199, 12253), (208, 12289), (211, 12310), (213, 12322), (215, 12340), (224, 12400), (228, 12412), (230, 12418), (233, 12433), (236, 12451), (237, 12454), (243, 12487), (263, 12583), (269, 12622), (274, 12643), (280, 12673), (284, 12706), (296, 12790), (299, 12820), (302, 12832), (315, 12934), (322, 13012), (327, 13057), (329, 13081), (339, 13135), (340, 13138), (343, 13153), (344, 13156), (351, 13195), (354, 13222), (359, 13246), (360, 13252), (363, 13279), (375, 13327), (381, 13378), (384, 13396), (389, 13432), (390, 13438), (394, 13456), (399, 13483), (401, 13495), (406, 13549), (409, 13582), (421, 13642), (430, 13723), (431, 13726), (451, 13810), (454, 13825), (460, 13867), (473, 13960), (482, 14026), (499, 14161), (534, 14509), (547, 14701), (554, 14773), (555, 14782), (559, 14803), (561, 14845), (592, 15040), (594, 15052), (604, 15112), (607, 15136), (611, 15175),

Gene: Veliki_21 Start: 12116, Stop: 15952, Start Num: 14

Candidate Starts for Veliki_21:

(Start: 14 @12116 has 161 MA's), (23, 12185), (24, 12206), (29, 12272), (57, 12449), (63, 12476), (78, 12548), (79, 12560), (80, 12569), (90, 12641), (103, 12716), (122, 12800), (124, 12809), (127, 12830), (133, 12869), (144, 12947), (156, 13025), (168, 13115), (177, 13190), (191, 13283), (193, 13292), (195, 13304), (196, 13313), (239, 13550), (248, 13589), (254, 13622), (269, 13709), (275, 13733), (289, 13817), (299, 13901), (302, 13913), (306, 13934), (351, 14090), (385, 14171), (394, 14219), (397, 14237), (401, 14258), (405, 14294), (409, 14345), (420, 14402), (430, 14480), (432, 14489), (451, 14567), (460, 14624), (471, 14678), (499, 14918), (512, 14993), (526, 15104), (537, 15323), (539, 15335), (554, 15521), (555, 15530), (565, 15602), (573, 15632), (578, 15653), (592, 15773), (604, 15845), (606, 15863), (607, 15869),

Gene: ViviJ_18 Start: 11997, Stop: 16103, Start Num: 13

Candidate Starts for ViviJ_18:

(Start: 13 @11997 has 28 MA's), (24, 12090), (30, 12168), (32, 12192), (39, 12252), (59, 12336), (61, 12348), (80, 12450), (89, 12510), (90, 12522), (95, 12543), (103, 12597), (114, 12645), (124, 12690), (127, 12711), (144, 12828), (156, 12906), (159, 12930), (168, 12996), (177, 13071), (191, 13164), (196, 13194), (226, 13368), (229, 13377), (235, 13407), (239, 13431), (243, 13452), (255, 13512), (269, 13590), (271, 13599), (285, 13677), (294, 13743), (300, 13785), (302, 13794), (309, 13878), (316, 13899), (318, 13932), (325, 13998), (327, 14019), (334, 14073), (336, 14082), (340, 14100), (344, 14118), (345, 14127), (351, 14157), (356, 14193), (365, 14247), (373, 14283), (375, 14289), (377, 14307), (392, 14412), (402, 14478), (430, 14673), (437, 14703), (445, 14736), (456, 14787), (457, 14808), (461, 14823), (462, 14829), (473, 14913), (480, 14961), (486, 15000), (493, 15060), (494, 15093), (498, 15114), (503, 15138), (507, 15168), (520, 15234), (528, 15306), (546, 15621), (547, 15630), (548, 15633), (550, 15675), (554, 15702), (559, 15732), (565, 15783), (569, 15801), (584, 15867), (589, 15915), (592, 15939), (594, 15951), (608, 16032), (610, 16056), (615, 16095),

Gene: Waterfoul_19 Start: 12158, Stop: 16267, Start Num: 13

Candidate Starts for Waterfoul_19:

(Start: 13 @12158 has 28 MA's), (39, 12416), (59, 12500), (76, 12566), (80, 12614), (89, 12674), (90, 12686), (95, 12707), (103, 12761), (110, 12791), (124, 12854), (127, 12875), (135, 12932), (144, 12992), (156, 13070), (159, 13094), (165, 13136), (170, 13169), (191, 13328), (195, 13349), (214, 13427), (223, 13490), (225, 13505), (226, 13508), (229, 13517), (231, 13523), (233, 13535), (242, 13589), (263, 13691), (269, 13730), (294, 13883), (300, 13925), (305, 13949), (316, 14039), (318, 14072), (334, 14213), (336, 14222), (340, 14240), (345, 14267), (357, 14345), (375, 14429), (392, 14552), (402, 14618), (417, 14720), (430, 14813), (432, 14822), (437, 14843), (445, 14876), (456, 14927), (457, 14948), (461, 14963), (462, 14969), (473, 15053), (475, 15083), (480, 15101), (486, 15140), (493, 15200), (494, 15233), (498, 15254), (503, 15278), (507, 15311), (520, 15395), (528, 15467), (546, 15776), (550, 15830), (552, 15845), (554, 15857), (559, 15887), (589, 16073), (592, 16097), (594, 16109), (608, 16196), (610, 16220),

Gene: Wendigo_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Wendigo_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: Ximenita_21 Start: 11247, Stop: 15251, Start Num: 15

Candidate Starts for Ximenita_21:

(Start: 15 @11247 has 37 MA's), (26, 11340), (34, 11445), (42, 11499), (45, 11517), (55, 11559), (62, 11592), (64, 11598), (79, 11679), (88, 11739), (91, 11757), (92, 11760), (116, 11874), (118, 11889), (138, 12006), (143, 12033), (153, 12102), (163, 12162), (164, 12171), (165, 12183), (173, 12231), (198, 12414), (199, 12420), (200, 12423), (224, 12567), (228, 12579), (230, 12585), (233, 12600), (237, 12621), (240, 12639), (267, 12777), (269, 12789), (274, 12810), (281, 12849), (301, 12903), (302, 12909), (315, 13011), (320, 13071), (327, 13134), (339, 13212), (340, 13215), (343, 13230), (351, 13272), (354, 13299), (356, 13308), (359, 13323), (360, 13329), (363, 13356), (369, 13380), (371, 13386), (379, 13434), (381, 13455), (394, 13533), (397, 13551), (401, 13572), (405, 13608), (409, 13659), (430, 13800), (432, 13809), (451, 13887), (471, 13998), (472, 14010), (499, 14238), (512, 14313), (547, 14757), (554, 14829), (555, 14838), (565, 14913), (573, 14943), (578, 14964), (592, 15081), (604, 15156), (609, 15195), (610, 15207), (616, 15246),

Gene: YoureAdopted_20 Start: 12049, Stop: 15885, Start Num: 14

Candidate Starts for YoureAdopted_20:

(Start: 14 @12049 has 161 MA's), (23, 12118), (24, 12139), (29, 12205), (57, 12382), (63, 12409), (78, 12481), (79, 12493), (80, 12502), (90, 12574), (103, 12649), (122, 12733), (124, 12742), (127, 12763), (133, 12802), (144, 12880), (156, 12958), (168, 13048), (177, 13123), (191, 13216), (193, 13225), (195, 13237), (196, 13246), (239, 13483), (248, 13522), (254, 13555), (269, 13642), (275, 13666), (289, 13750), (299, 13834), (302, 13846), (306, 13867), (351, 14023), (385, 14104), (394, 14152), (397, 14170), (401, 14191), (405, 14227), (409, 14278), (420, 14335), (430, 14413), (432, 14422), (451, 14500), (454, 14515), (460, 14557), (471, 14611), (499, 14851), (512, 14926), (526, 15037), (537, 15256), (539, 15268), (554, 15454), (555, 15463), (573, 15565), (578, 15586), (592, 15706), (604, 15778), (606, 15796), (607, 15802),

Gene: Yuna_21 Start: 11197, Stop: 15186, Start Num: 15

Candidate Starts for Yuna_21:

(Start: 15 @11197 has 37 MA's), (26, 11290), (43, 11458), (49, 11479), (56, 11515), (64, 11548), (65, 11551), (66, 11560), (74, 11584), (86, 11677), (88, 11689), (92, 11710), (132, 11926), (138, 11965), (141, 11980), (147, 12016), (155, 12076), (156, 12079), (163, 12121), (173, 12190), (198, 12376), (199, 12382), (200, 12385), (201, 12391), (208, 12418), (210, 12427), (211, 12439), (215, 12469), (224, 12529), (228, 12541), (230, 12547), (233, 12562), (236, 12580), (237, 12583), (240, 12601), (255, 12676), (267, 12739), (269, 12751), (274, 12772), (281, 12811), (298, 12856), (302, 12871), (320, 13033), (327, 13096), (330, 13123), (344, 13195), (351, 13234), (359, 13285), (361, 13294), (362, 13306), (367, 13336), (369, 13342), (375, 13366), (390, 13477), (394, 13495), (401, 13534), (409, 13621), (412, 13633), (430, 13762), (431, 13765), (451, 13849), (472, 13972), (499, 14200), (510, 14260), (512, 14275), (536, 14590), (547, 14722), (549, 14752), (553, 14791), (554, 14794), (557, 14812), (565, 14866), (573, 14896), (578, 14917), (592, 15028), (607, 15121),

Gene: Yunkel11_21 Start: 11016, Stop: 15143, Start Num: 15

Candidate Starts for Yunkel11_21:

(9, 10968), (Start: 15 @11016 has 37 MA's), (26, 11109), (38, 11241), (41, 11265), (47, 11295), (52, 11316), (55, 11328), (69, 11388), (82, 11475), (88, 11508), (91, 11526), (92, 11529), (105, 11601), (134, 11745), (138, 11787), (141, 11802), (147, 11838), (157, 11910), (173, 12012), (198, 12195), (204, 12222), (209, 12240), (210, 12246), (215, 12288), (228, 12360), (230, 12366), (233, 12381), (237, 12402), (240, 12420), (243, 12435), (253, 12483), (260, 12516), (263, 12531), (269, 12570), (274, 12591), (280, 12621), (304, 12789), (307, 12840), (327, 13005), (329, 13029), (340, 13086), (349, 13137), (354, 13170), (356, 13179), (369, 13251), (381, 13326), (384, 13344), (390, 13386), (394, 13404), (399, 13431), (401, 13443), (416, 13572), (421, 13590), (430, 13671), (431, 13674), (451, 13758), (459, 13812), (460, 13815), (473, 13908), (482, 13974), (499, 14109), (519, 14235), (546, 14631), (547, 14640), (554, 14712), (565, 14796), (592, 14964), (604, 15036), (607, 15060), (611, 15099),

Gene: Zabiza_21 Start: 12077, Stop: 15916, Start Num: 14

Candidate Starts for Zabiza_21:

(Start: 14 @12077 has 161 MA's), (23, 12146), (29, 12233), (57, 12410), (63, 12437), (78, 12509), (79, 12521), (80, 12530), (90, 12602), (103, 12677), (122, 12761), (124, 12770), (127, 12791), (133, 12830), (144, 12908), (156, 12986), (168, 13076), (177, 13151), (191, 13244), (193, 13253), (195, 13265), (196, 13274), (244, 13535), (248, 13550), (254, 13583), (269, 13670), (275, 13694), (289, 13778), (299, 13862), (302, 13874), (306, 13895), (351, 14051), (385, 14132), (394, 14180), (397, 14198), (401, 14219), (405, 14255), (409, 14306), (420, 14363), (430, 14441), (432, 14450), (451, 14528), (460, 14585), (471, 14639), (499, 14879), (512, 14954), (526, 15065), (537, 15284), (539, 15296), (554, 15485), (555, 15494), (565, 15566), (573, 15596), (578, 15617), (592, 15737), (604, 15809), (606, 15827), (607, 15833),

Gene: Zavala_21 Start: 12057, Stop: 15890, Start Num: 14

Candidate Starts for Zavala_21:

(Start: 14 @12057 has 161 MA's), (23, 12126), (29, 12213), (57, 12390), (63, 12417), (78, 12489), (79, 12501), (80, 12510), (90, 12582), (103, 12657), (122, 12741), (124, 12750), (127, 12771), (133, 12810), (144, 12888), (156, 12966), (168, 13056), (177, 13131), (191, 13224), (193, 13233), (195, 13245), (196, 13254), (239, 13491), (248, 13530), (254, 13563), (269, 13650), (275, 13674), (289, 13758), (299, 13842), (302, 13854), (306, 13875), (351, 14031), (394, 14160), (397, 14178), (401, 14199), (405, 14235), (409, 14286), (420, 14343), (430, 14421), (432, 14430), (451, 14508), (454, 14523), (460, 14565), (471, 14619), (499, 14859), (512, 14934), (526, 15045), (537, 15264), (539, 15276), (554, 15459), (555, 15468), (565, 15540), (573, 15570), (578, 15591), (592, 15711), (604, 15783), (606, 15801), (607, 15807),

Gene: ZoMa_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for ZoMa_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321, 13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),

Gene: ZoeJ_17 Start: 10077, Stop: 13724, Start Num: 13

Candidate Starts for ZoeJ_17:

(Start: 13 @10077 has 28 MA's), (23, 10149), (67, 10383), (72, 10398), (89, 10515), (90, 10527), (103, 10602), (124, 10695), (144, 10833), (145, 10836), (150, 10875), (156, 10911), (159, 10935), (162, 10944), (163, 10956), (166, 10980), (168, 11001), (172, 11025), (173, 11031), (176, 11067), (177, 11076), (183, 11109), (185, 11121), (187, 11148), (223, 11331), (224, 11343), (226, 11349), (235, 11388), (239, 11412), (250, 11460), (260, 11472), (287, 11505), (317, 11736), (328, 11781), (341, 11811), (353, 11880), (358, 11907), (364, 11940), (391, 12027), (397, 12060), (401, 12081), (403, 12105), (407, 12135), (460, 12378), (473, 12471), (485, 12549), (499, 12672), (516, 12777), (542, 13188), (546, 13218), (547, 13227), (549, 13257), (592, 13554), (594, 13566), (607, 13647),

Gene: Zombie_16 Start: 11464, Stop: 15477, Start Num: 14

Candidate Starts for Zombie_16:

(Start: 14 @11464 has 161 MA's), (33, 11665), (53, 11779), (63, 11821), (71, 11851), (90, 11986), (93, 11998), (95, 12007), (130, 12196), (133, 12214), (134, 12217), (136, 12238), (137, 12250), (148, 12322), (156, 12370), (174, 12502), (176, 12526), (187, 12607), (212, 12730), (223, 12814), (232, 12850), (239, 12895), (240, 12901), (261, 13009), (265, 13033), (269, 13054), (305, 13273), (321,

13423), (330, 13510), (350, 13618), (375, 13753), (390, 13864), (394, 13882), (400, 13912), (428, 14134), (435, 14158), (438, 14173), (442, 14194), (451, 14221), (456, 14248), (467, 14308), (474, 14398), (481, 14431), (492, 14494), (495, 14551), (499, 14584), (501, 14593), (548, 15097), (549, 15124), (552, 15154), (554, 15166), (555, 15175), (565, 15244), (584, 15325), (590, 15385), (593, 15403), (595, 15412),