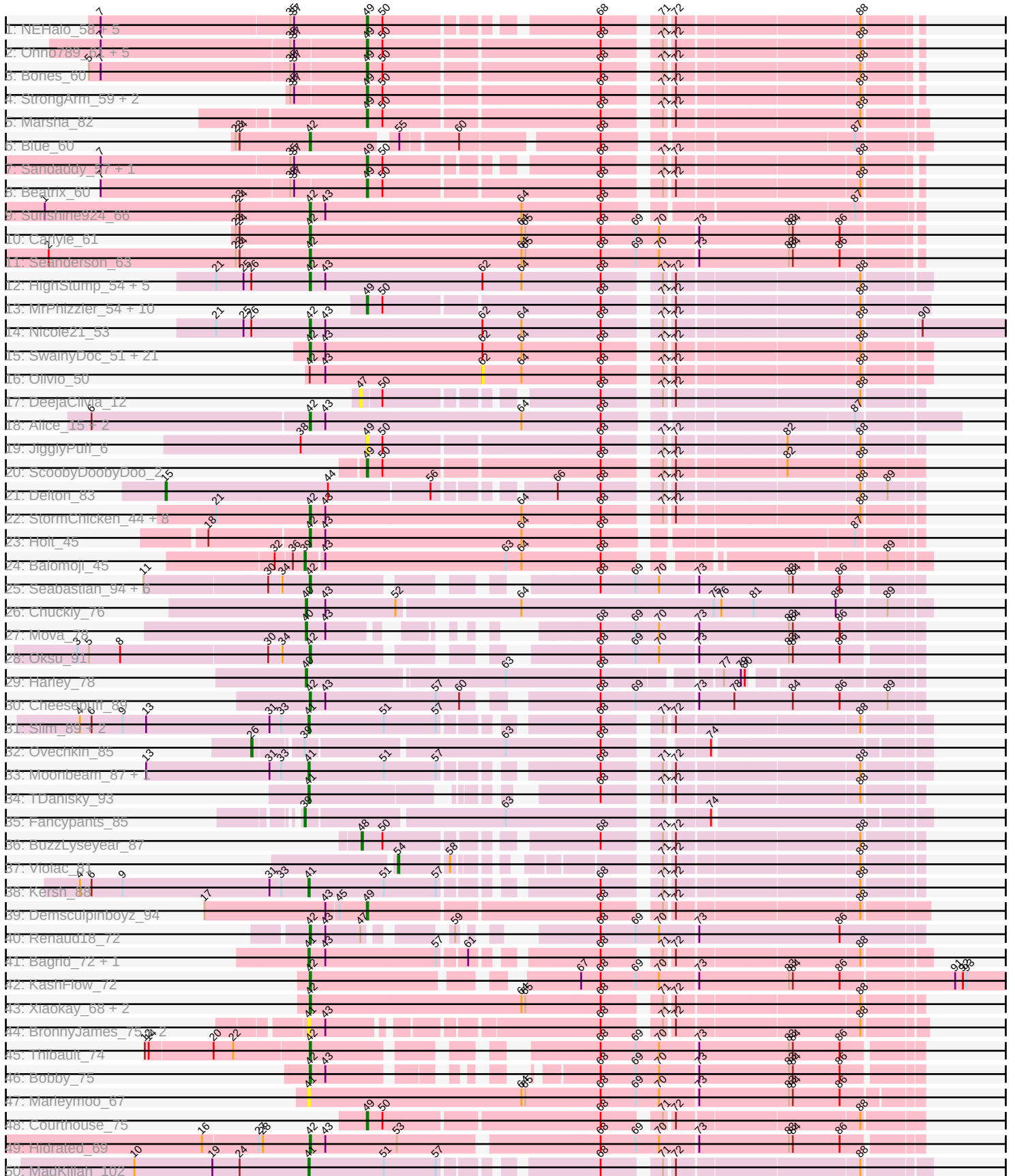
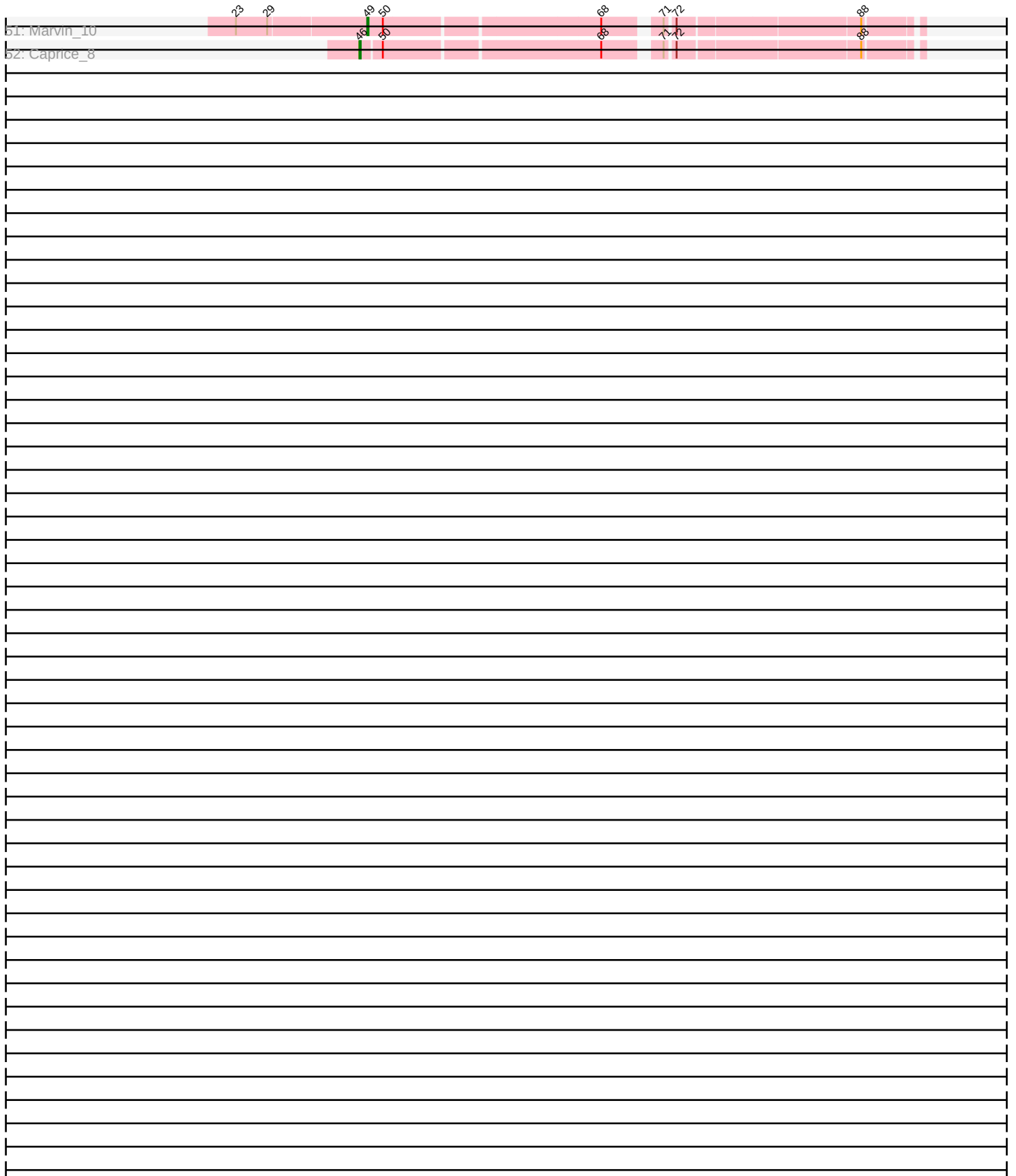


Pham 330615



Pham 330615



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 330615 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330615 has 125 members, 16 are drafts.

Phages represented in each track:

- Track 1 : NEHalo_58, GageAP_62, AFIS_57, Blackflame_57, SpikeBT_59, Makemake_63
- Track 2 : Ohno789_61, Dreamboat_62, Cueylyss_61, Graduation_65, PherrisBueller_60, Jasper_61
- Track 3 : Bones_60
- Track 4 : StrongArm_59, Bexan_58, Scowl_62
- Track 5 : Marsha_82
- Track 6 : Blue_60
- Track 7 : Sandaddy_57, Sorpresa_58
- Track 8 : Beatrix_60
- Track 9 : Sunshine924_66
- Track 10 : Carlyle_61
- Track 11 : Seanderson_63
- Track 12 : HighStump_54, Chuni_54, Longacauda_53, Iridessa_53, Legolas_54, Orwigg_52
- Track 13 : MrPhizzler_54, BoogieWoogie_54, RedRaider77_10, VasuNzinga_9, Latretium_78, DolOn_56, Rimu_53, Fringe_56, Lumine_53, Khan1_52, Gwilliam_53
- Track 14 : Nicole21_53
- Track 15 : SwainyDoc_51, DaddyDaniels_54, Chentzyk_51, Rita1961_51, Kronus_50, Childish_52, MmasiCarm_51, Obutu_51, Soile_53, Phayeta_52, Mortcellus_50, Brilliant_54, Kahve_52, Casbah_50, Ben11_50, Gervas_51, HenryJackson_52, Marlia_51, Craff_55, Mulaychimus_51, TinyTerror_51, SlippinJimmy_52
- Track 16 : Olivio_50
- Track 17 : DeejaClivia_12
- Track 18 : Alice_15, Flabslab_16, Bezza_14
- Track 19 : JigglyPuff_6
- Track 20 : ScoobyDoobyDoo_2
- Track 21 : Delton_83
- Track 22 : StormChicken_44, Buck_43, TeamEdward_45, Nala_43, MPhalcon_42, MISSy_42, Becksu_43, Rimmer_43, Youngblood_44
- Track 23 : Holt_45
- Track 24 : Balomoji_45
- Track 25 : Seabastian_94, Modragons_91, OfUltron_94, Nichirin_88, Jinglebell_93, Ochi17_92, Llama_93
- Track 26 : Chuckly_76
- Track 27 : Mova_78

- Track 28 : Oksu_91
- Track 29 : Harley_78
- Track 30 : Cheesepuff_89
- Track 31 : Slim_89, Emmaloid_89, Sabb_88
- Track 32 : Ovechkin_85
- Track 33 : Moonbeam_87, Rialto_90
- Track 34 : TDanisky_93
- Track 35 : Fancypants_85
- Track 36 : BuzzLyseyear_87
- Track 37 : Violac_81
- Track 38 : Kersh_88
- Track 39 : Demsculpinboyz_94
- Track 40 : Renaud18_72
- Track 41 : Bagrid_72, EricMillard_72
- Track 42 : KashFlow_72
- Track 43 : Xiaokay_68, Thibault_65, Constella_64
- Track 44 : BronnyJames_75, Nibley_68, Shaboozey_74
- Track 45 : Thibault_74
- Track 46 : Bobby_75
- Track 47 : Marleymoo_67
- Track 48 : Courthouse_75
- Track 49 : Hidrated_69
- Track 50 : MadKillah_102
- Track 51 : Marvin_10
- Track 52 : Caprice_8

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

The start number called the most often in the published annotations is 42, it was called in 58 of the 109 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alice_15, Becksu_43, Ben11_50, Bezza_14, Blue_60, Bobby_75, Brilliant_54, Buck_43, Carlyle_61, Casbah_50, Cheesepuff_89, Chentzyk_51, Childish_52, Chuni_54, Constella_64, Craff_55, DaddyDaniels_54, Flabslab_16, Gervas_51, HenryJackson_52, Hidrated_69, HighStump_54, Holt_45, Iridessa_53, Jinglebell_93, Kahve_52, KashFlow_72, Kronus_50, Legolas_54, Llama_93, Longacauda_53, MISSy_42, MPhalcon_42, Marlia_51, MmasiCarm_51, Modragons_91, Mortcellus_50, Mulaychimus_51, Nala_43, Nichirin_88, Nicole21_53, Obutu_51, Ochi17_92, OfUltron_94, Oksu_91, Orwigg_52, Phayeta_52, Renaud18_72, Rimmer_43, Rita1961_51, Seabastian_94, Seanderson_63, SlippinJimmy_52, Soile_53, StormChicken_44, Sunshine924_66, SwainyDoc_51, TeamEdward_45, Thibault_65, Thibault_74, TinyTerror_51, Xiaokay_68, Youngblood_44,

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

- Olivio_50,

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

- AFIS_57, Bagrid_72, Balomoji_45, Beatrix_60, Bexan_58, Blackflame_57, Bones_60, BoogieWoogie_54, BronnyJames_75, BuzzLyseyear_87, Caprice_8,

Chuckly_76, Courthouse_75, Cueylyss_61, DeejaClivia_12, Delton_83, Demsculpinboyz_94, DoOn_56, Dreamboat_62, Emmaloid_89, EricMillard_72, Fancypants_85, Fringe_56, GageAP_62, Graduation_65, Gwilliam_53, Harley_78, Jasper_61, JigglyPuff_6, Kersh_88, Khan1_52, Latretium_78, Lumine_53, MadKillah_102, Makemake_63, Marleymoo_67, Marsha_82, Marvin_10, Moonbeam_87, Mova_78, MrPhizzler_54, NEHalo_58, Nibley_68, Ohno789_61, Ovechkin_85, PherrisBueller_60, RedRaider77_10, Rialto_90, Rimu_53, Sabbb_88, Sandaddy_57, ScoobyDoobyDoo_2, Scowl_62, Shaboozey_74, Slim_89, Sorpresa_58, SpikeBT_59, StrongArm_59, TDanisky_93, VasuNzinga_9, Violac_81,

Summary by start number:

Start 15:

- Found in 1 of 125 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 109
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Delton_83 (D1),

Start 26:

- Found in 8 of 125 (6.4%) of genes in pham
- Manual Annotations of this start: 1 of 109
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Ovechkin_85 (F1),

Start 39:

- Found in 3 of 125 (2.4%) of genes in pham
- Manual Annotations of this start: 2 of 109
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Balomoji_45 (E), Fancypants_85 (F1),

Start 40:

- Found in 3 of 125 (2.4%) of genes in pham
- Manual Annotations of this start: 3 of 109
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chuckly_76 (F1), Harley_78 (F1), Mova_78 (F1),

Start 41:

- Found in 14 of 125 (11.2%) of genes in pham
- Manual Annotations of this start: 9 of 109
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bagrid_72 (J), BronnyJames_75 (J), Emmaloid_89 (F1), EricMillard_72 (J), Kersh_88 (F1), MadKillah_102 (O), Marleymoo_67 (J), Moonbeam_87 (F1), Nibley_68 (J), Rialto_90 (F1), Sabbb_88 (F1), Shaboozey_74 (J), Slim_89 (F1), TDanisky_93 (F1),

Start 42:

- Found in 64 of 125 (51.2%) of genes in pham
- Manual Annotations of this start: 58 of 109
- Called 98.4% of time when present
- Phage (with cluster) where this start called: Alice_15 (C1), Becksu_43 (E), Ben11_50 (B3), Bezza_14 (C1), Blue_60 (A1), Bobby_75 (J), Brilliant_54 (B1), Buck_43 (E), Carlyle_61 (A1), Casbah_50 (B3), Cheesepuff_89 (F1), Chentzyk_51

(B3), Childish_52 (B1), Chuni_54 (B1), Constella_64 (J), Craff_55 (B1), DaddyDaniels_54 (B1), Flabslab_16 (C1), Gervas_51 (B3), HenryJackson_52 (B1), Hidrated_69 (J), HighStump_54 (B1), Holt_45 (E), Iridessa_53 (B1), Jinglebell_93 (F1), Kahve_52 (B1), KashFlow_72 (J), Kronus_50 (B3), Legolas_54 (B1), Llama_93 (F1), Longacauda_53 (B1), MISSy_42 (E), MPhalcon_42 (E), Marlia_51 (B3), MmasiCarm_51 (B3), Modragons_91 (F1), Mortcellus_50 (B3), Mulaychimus_51 (B3), Nala_43 (E), Nichirin_88 (F1), Nicole21_53 (B1), Obutu_51 (B3), Ochi17_92 (F1), OfUltron_94 (F1), Oksu_91 (F1), Orwigg_52 (B1), Phayeta_52 (B3), Renaud18_72 (F4), Rimmer_43 (E), Rita1961_51 (B3), Seabastian_94 (F1), Seanderson_63 (A1), SlippinJimmy_52 (B3), Soile_53 (B1), StormChicken_44 (E), Sunshine924_66 (A1), SwainyDoc_51 (B3), TeamEdward_45 (E), Thibault_65 (J), Thibault_74 (J), TinyTerror_51 (B3), Xiaokay_68 (J), Youngblood_44 (E),

Start 46:

- Found in 1 of 125 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 109
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Caprice_8 (S),

Start 47:

- Found in 2 of 125 (1.6%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: DeejaClivia_12 (C1),

Start 48:

- Found in 1 of 125 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 109
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BuzzLyseyear_87 (F1),

Start 49:

- Found in 36 of 125 (28.8%) of genes in pham
- Manual Annotations of this start: 32 of 109
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AFIS_57 (A1), Beatrix_60 (A1), Bexan_58 (A1), Blackflame_57 (A1), Bones_60 (A1), BoogieWoogie_54 (B1), Courthouse_75 (J), Cueylyss_61 (A1), Demsculpinboyz_94 (F2), DoIOn_56 (B1), Dreamboat_62 (A1), Fringe_56 (B1), GageAP_62 (A1), Graduation_65 (A1), Gwilliam_53 (B1), Jasper_61 (A1), JigglyPuff_6 (C1), Khan1_52 (B1), Latretium_78 (F1), Lumine_53 (B1), Makemake_63 (A1), Marsha_82 (A1), Marvin_10 (S), MrPhizzler_54 (B1), NEHalo_58 (A1), Ohno789_61 (A1), PherrisBueLLer_60 (A1), RedRaider77_10 (S), Rimu_53 (B1), Sandaddy_57 (A1), ScoobyDoobyDoo_2 (C2), Scowl_62 (A1), Sorpresa_58 (A1), SpikeBT_59 (A1), StrongArm_59 (A1), VasuNzinga_9 (S),

Start 54:

- Found in 1 of 125 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 109
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Violac_81 (F1),

Start 62:

- Found in 30 of 125 (24.0%) of genes in pham
- No Manual Annotations of this start.
- Called 3.3% of time when present
- Phage (with cluster) where this start called: Olivio_50 (B3),

Summary by clusters:

There are 13 clusters represented in this pham: F1, F2, E, J, O, A1, S, B1, B3, F4, C1, C2, D1,

Info for manual annotations of cluster A1:

- Start number 42 was manually annotated 4 times for cluster A1.
- Start number 49 was manually annotated 18 times for cluster A1.

Info for manual annotations of cluster B1:

- Start number 42 was manually annotated 14 times for cluster B1.
- Start number 49 was manually annotated 7 times for cluster B1.

Info for manual annotations of cluster B3:

- Start number 42 was manually annotated 13 times for cluster B3.

Info for manual annotations of cluster C1:

- Start number 42 was manually annotated 3 times for cluster C1.

Info for manual annotations of cluster C2:

- Start number 49 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster D1:

- Start number 15 was manually annotated 1 time for cluster D1.

Info for manual annotations of cluster E:

- Start number 39 was manually annotated 1 time for cluster E.
- Start number 42 was manually annotated 8 times for cluster E.

Info for manual annotations of cluster F1:

- Start number 26 was manually annotated 1 time for cluster F1.
- Start number 39 was manually annotated 1 time for cluster F1.
- Start number 40 was manually annotated 3 times for cluster F1.
- Start number 41 was manually annotated 7 times for cluster F1.
- Start number 42 was manually annotated 9 times for cluster F1.
- Start number 48 was manually annotated 1 time for cluster F1.
- Start number 49 was manually annotated 1 time for cluster F1.
- Start number 54 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:

- Start number 49 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster F4:

- Start number 42 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster J:

- Start number 41 was manually annotated 1 time for cluster J.
- Start number 42 was manually annotated 6 times for cluster J.

- Start number 49 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster O:

- Start number 41 was manually annotated 1 time for cluster O.

Info for manual annotations of cluster S:

- Start number 46 was manually annotated 1 time for cluster S.
- Start number 49 was manually annotated 3 times for cluster S.

Gene Information:

Gene: AFIS_57 Start: 39716, Stop: 39357, Start Num: 49

Candidate Starts for AFIS_57:

(7, 39917), (35, 39773), (37, 39770), (Start: 49 @39716 has 32 MA's), (50, 39704), (68, 39569), (71, 39533), (72, 39527), (88, 39395),

Gene: Alice_15 Start: 5418, Stop: 5885, Start Num: 42

Candidate Starts for Alice_15:

(6, 5256), (Start: 42 @5418 has 58 MA's), (43, 5430), (64, 5580), (68, 5640), (87, 5811),

Gene: Bagrid_72 Start: 50124, Stop: 49711, Start Num: 41

Candidate Starts for Bagrid_72:

(Start: 41 @50124 has 9 MA's), (43, 50112), (57, 50028), (61, 50010), (68, 49932), (71, 49896), (72, 49890), (88, 49758),

Gene: Balomoji_45 Start: 36485, Stop: 36057, Start Num: 39

Candidate Starts for Balomoji_45:

(32, 36506), (36, 36494), (Start: 39 @36485 has 2 MA's), (43, 36473), (63, 36335), (64, 36323), (68, 36263), (89, 36086),

Gene: Beatrix_60 Start: 41870, Stop: 41490, Start Num: 49

Candidate Starts for Beatrix_60:

(7, 42071), (35, 41927), (37, 41924), (Start: 49 @41870 has 32 MA's), (50, 41858), (68, 41702), (71, 41666), (72, 41660), (88, 41528),

Gene: Becksu_43 Start: 35704, Stop: 35261, Start Num: 42

Candidate Starts for Becksu_43:

(21, 35776), (Start: 42 @35704 has 58 MA's), (43, 35692), (64, 35542), (68, 35482), (71, 35446), (72, 35440), (88, 35308),

Gene: Ben11_50 Start: 45429, Stop: 44986, Start Num: 42

Candidate Starts for Ben11_50:

(Start: 42 @45429 has 58 MA's), (43, 45417), (62, 45297), (64, 45267), (68, 45207), (71, 45171), (72, 45165), (88, 45033),

Gene: Bexan_58 Start: 41649, Stop: 41269, Start Num: 49

Candidate Starts for Bexan_58:

(35, 41706), (37, 41703), (Start: 49 @41649 has 32 MA's), (50, 41637), (68, 41481), (71, 41445), (72, 41439), (88, 41307),

Gene: Bezza_14 Start: 5418, Stop: 5885, Start Num: 42

Candidate Starts for Bezza_14:

(6, 5256), (Start: 42 @5418 has 58 MA's), (43, 5430), (64, 5580), (68, 5640), (87, 5811),

Gene: Blackflame_57 Start: 40484, Stop: 40125, Start Num: 49

Candidate Starts for Blackflame_57:

(7, 40685), (35, 40541), (37, 40538), (Start: 49 @40484 has 32 MA's), (50, 40472), (68, 40337), (71, 40301), (72, 40295), (88, 40163),

Gene: Blue_60 Start: 41591, Stop: 41178, Start Num: 42

Candidate Starts for Blue_60:

(23, 41648), (24, 41645), (Start: 42 @41591 has 58 MA's), (55, 41534), (60, 41495), (68, 41399), (87, 41228),

Gene: Bobby_75 Start: 51169, Stop: 50789, Start Num: 42

Candidate Starts for Bobby_75:

(Start: 42 @51169 has 58 MA's), (43, 51157), (68, 51022), (69, 50995), (70, 50977), (73, 50950), (83, 50881), (84, 50878), (86, 50842),

Gene: Bones_60 Start: 41965, Stop: 41585, Start Num: 49

Candidate Starts for Bones_60:

(5, 42175), (7, 42166), (35, 42022), (37, 42019), (Start: 49 @41965 has 32 MA's), (50, 41953), (68, 41797), (71, 41761), (72, 41755), (88, 41623),

Gene: BoogieWoogie_54 Start: 47371, Stop: 46982, Start Num: 49

Candidate Starts for BoogieWoogie_54:

(Start: 49 @47371 has 32 MA's), (50, 47359), (68, 47203), (71, 47167), (72, 47161), (88, 47029),

Gene: Brilliant_54 Start: 47338, Stop: 46895, Start Num: 42

Candidate Starts for Brilliant_54:

(Start: 42 @47338 has 58 MA's), (43, 47326), (62, 47206), (64, 47176), (68, 47116), (71, 47080), (72, 47074), (88, 46942),

Gene: BronnyJames_75 Start: 47278, Stop: 46868, Start Num: 41

Candidate Starts for BronnyJames_75:

(Start: 41 @47278 has 9 MA's), (43, 47266), (68, 47086), (71, 47050), (72, 47044), (88, 46912),

Gene: Buck_43 Start: 35755, Stop: 35318, Start Num: 42

Candidate Starts for Buck_43:

(21, 35827), (Start: 42 @35755 has 58 MA's), (43, 35743), (64, 35593), (68, 35533), (71, 35497), (72, 35491), (88, 35359),

Gene: BuzzLyseyear_87 Start: 51492, Stop: 51857, Start Num: 48

Candidate Starts for BuzzLyseyear_87:

(Start: 48 @51492 has 1 MA's), (50, 51507), (68, 51642), (71, 51678), (72, 51684), (88, 51816),

Gene: Caprice_8 Start: 2539, Stop: 2922, Start Num: 46

Candidate Starts for Caprice_8:

(Start: 46 @2539 has 1 MA's), (50, 2554), (68, 2710), (71, 2746), (72, 2752), (88, 2884),

Gene: Carlyle_61 Start: 39697, Stop: 39242, Start Num: 42

Candidate Starts for Carlyle_61:

(23, 39754), (24, 39751), (Start: 42 @39697 has 58 MA's), (64, 39535), (65, 39532), (68, 39475), (69, 39448), (70, 39430), (73, 39403), (83, 39334), (84, 39331), (86, 39295),

Gene: Casbah_50 Start: 45459, Stop: 45016, Start Num: 42

Candidate Starts for Casbah_50:

(Start: 42 @45459 has 58 MA's), (43, 45447), (62, 45327), (64, 45297), (68, 45237), (71, 45201), (72, 45195), (88, 45063),

Gene: Cheesepuff_89 Start: 49033, Stop: 49464, Start Num: 42

Candidate Starts for Cheesepuff_89:

(Start: 42 @49033 has 58 MA's), (43, 49045), (57, 49129), (60, 49147), (68, 49225), (69, 49252), (73, 49297), (78, 49324), (84, 49369), (86, 49405), (89, 49441),

Gene: Chentzyk_51 Start: 45971, Stop: 45528, Start Num: 42

Candidate Starts for Chentzyk_51:

(Start: 42 @45971 has 58 MA's), (43, 45959), (62, 45839), (64, 45809), (68, 45749), (71, 45713), (72, 45707), (88, 45575),

Gene: Childish_52 Start: 47365, Stop: 46922, Start Num: 42

Candidate Starts for Childish_52:

(Start: 42 @47365 has 58 MA's), (43, 47353), (62, 47233), (64, 47203), (68, 47143), (71, 47107), (72, 47101), (88, 46969),

Gene: Chuckly_76 Start: 45511, Stop: 45978, Start Num: 40

Candidate Starts for Chuckly_76:

(Start: 40 @45511 has 3 MA's), (43, 45526), (52, 45580), (64, 45673), (75, 45820), (76, 45826), (81, 45850), (85, 45913), (89, 45949),

Gene: Chuni_54 Start: 47918, Stop: 47481, Start Num: 42

Candidate Starts for Chuni_54:

(21, 47990), (25, 47969), (Start: 26 @47963 has 1 MA's), (Start: 42 @47918 has 58 MA's), (43, 47906), (62, 47786), (64, 47756), (68, 47696), (71, 47660), (72, 47654), (88, 47522),

Gene: Constella_64 Start: 46367, Stop: 45930, Start Num: 42

Candidate Starts for Constella_64:

(Start: 42 @46367 has 58 MA's), (64, 46205), (65, 46202), (68, 46145), (71, 46109), (72, 46103), (88, 45971),

Gene: Courthouse_75 Start: 48166, Stop: 47780, Start Num: 49

Candidate Starts for Courthouse_75:

(Start: 49 @48166 has 32 MA's), (50, 48154), (68, 47998), (71, 47962), (72, 47956), (88, 47824),

Gene: Craff_55 Start: 47790, Stop: 47347, Start Num: 42

Candidate Starts for Craff_55:

(Start: 42 @47790 has 58 MA's), (43, 47778), (62, 47658), (64, 47628), (68, 47568), (71, 47532), (72, 47526), (88, 47394),

Gene: Cueylyss_61 Start: 42165, Stop: 41785, Start Num: 49

Candidate Starts for Cueylyss_61:

(7, 42366), (35, 42222), (37, 42219), (Start: 49 @42165 has 32 MA's), (50, 42153), (68, 41997), (71, 41961), (72, 41955), (88, 41823),

Gene: DaddyDaniels_54 Start: 47322, Stop: 46879, Start Num: 42

Candidate Starts for DaddyDaniels_54:

(Start: 42 @47322 has 58 MA's), (43, 47310), (62, 47190), (64, 47160), (68, 47100), (71, 47064), (72, 47058), (88, 46926),

Gene: DeejaClivia_12 Start: 3961, Stop: 4326, Start Num: 47

Candidate Starts for DeejaClivia_12:

(47, 3961), (50, 3976), (68, 4111), (71, 4147), (72, 4153), (88, 4285),

Gene: Delton_83 Start: 59993, Stop: 60511, Start Num: 15

Candidate Starts for Delton_83:

(Start: 15 @59993 has 1 MA's), (44, 60116), (56, 60191), (66, 60263), (68, 60296), (71, 60332), (72, 60338), (88, 60470), (89, 60488),

Gene: Demsculpinboyz_94 Start: 48157, Stop: 48546, Start Num: 49

Candidate Starts for Demsculpinboyz_94:

(17, 48034), (43, 48127), (45, 48136), (Start: 49 @48157 has 32 MA's), (68, 48325), (71, 48361), (72, 48367), (88, 48499),

Gene: DolOn_56 Start: 48048, Stop: 47668, Start Num: 49

Candidate Starts for DolOn_56:

(Start: 49 @48048 has 32 MA's), (50, 48036), (68, 47880), (71, 47844), (72, 47838), (88, 47706),

Gene: Dreamboat_62 Start: 40065, Stop: 39685, Start Num: 49

Candidate Starts for Dreamboat_62:

(7, 40266), (35, 40122), (37, 40119), (Start: 49 @40065 has 32 MA's), (50, 40053), (68, 39897), (71, 39861), (72, 39855), (88, 39723),

Gene: Emmaloid_89 Start: 50002, Stop: 50415, Start Num: 41

Candidate Starts for Emmaloid_89:

(4, 49828), (6, 49837), (9, 49861), (13, 49879), (31, 49972), (33, 49981), (Start: 41 @50002 has 9 MA's), (51, 50059), (57, 50098), (68, 50194), (71, 50230), (72, 50236), (88, 50368),

Gene: EricMillard_72 Start: 50977, Stop: 50564, Start Num: 41

Candidate Starts for EricMillard_72:

(Start: 41 @50977 has 9 MA's), (43, 50965), (57, 50881), (61, 50863), (68, 50785), (71, 50749), (72, 50743), (88, 50611),

Gene: Fancypants_85 Start: 50404, Stop: 50835, Start Num: 39

Candidate Starts for Fancypants_85:

(Start: 39 @50404 has 2 MA's), (63, 50548), (74, 50683),

Gene: Flabslab_16 Start: 5015, Stop: 5452, Start Num: 42

Candidate Starts for Flabslab_16:

(6, 4853), (Start: 42 @5015 has 58 MA's), (43, 5027), (64, 5177), (68, 5237), (87, 5408),

Gene: Fringe_56 Start: 48267, Stop: 47878, Start Num: 49

Candidate Starts for Fringe_56:

(Start: 49 @48267 has 32 MA's), (50, 48255), (68, 48099), (71, 48063), (72, 48057), (88, 47925),

Gene: GageAP_62 Start: 41383, Stop: 41024, Start Num: 49

Candidate Starts for GageAP_62:

(7, 41584), (35, 41440), (37, 41437), (Start: 49 @41383 has 32 MA's), (50, 41371), (68, 41236), (71, 41200), (72, 41194), (88, 41062),

Gene: Gervas_51 Start: 45588, Stop: 45145, Start Num: 42

Candidate Starts for Gervas_51:

(Start: 42 @45588 has 58 MA's), (43, 45576), (62, 45456), (64, 45426), (68, 45366), (71, 45330), (72, 45324), (88, 45192),

Gene: Graduation_65 Start: 42237, Stop: 41857, Start Num: 49

Candidate Starts for Graduation_65:

(7, 42438), (35, 42294), (37, 42291), (Start: 49 @42237 has 32 MA's), (50, 42225), (68, 42069), (71, 42033), (72, 42027), (88, 41895),

Gene: Gwilliam_53 Start: 47683, Stop: 47303, Start Num: 49

Candidate Starts for Gwilliam_53:

(Start: 49 @47683 has 32 MA's), (50, 47671), (68, 47515), (71, 47479), (72, 47473), (88, 47341),

Gene: Harley_78 Start: 47547, Stop: 47975, Start Num: 40

Candidate Starts for Harley_78:

(Start: 40 @47547 has 3 MA's), (63, 47694), (68, 47766), (77, 47844), (79, 47856), (80, 47859),

Gene: HenryJackson_52 Start: 47354, Stop: 46911, Start Num: 42

Candidate Starts for HenryJackson_52:

(Start: 42 @47354 has 58 MA's), (43, 47342), (62, 47222), (64, 47192), (68, 47132), (71, 47096), (72, 47090), (88, 46958),

Gene: Hidrated_69 Start: 50826, Stop: 50383, Start Num: 42

Candidate Starts for Hidrated_69:

(16, 50907), (27, 50865), (28, 50862), (Start: 42 @50826 has 58 MA's), (43, 50814), (53, 50760), (68, 50616), (69, 50589), (70, 50571), (73, 50544), (83, 50475), (84, 50472), (86, 50436),

Gene: HighStump_54 Start: 47890, Stop: 47447, Start Num: 42

Candidate Starts for HighStump_54:

(21, 47962), (25, 47941), (Start: 26 @47935 has 1 MA's), (Start: 42 @47890 has 58 MA's), (43, 47878), (62, 47758), (64, 47728), (68, 47668), (71, 47632), (72, 47626), (88, 47494),

Gene: Holt_45 Start: 35325, Stop: 34888, Start Num: 42

Candidate Starts for Holt_45:

(18, 35397), (Start: 42 @35325 has 58 MA's), (43, 35313), (64, 35163), (68, 35103), (87, 34932),

Gene: Iridessa_53 Start: 47334, Stop: 46891, Start Num: 42

Candidate Starts for Iridessa_53:

(21, 47406), (25, 47385), (Start: 26 @47379 has 1 MA's), (Start: 42 @47334 has 58 MA's), (43, 47322), (62, 47202), (64, 47172), (68, 47112), (71, 47076), (72, 47070), (88, 46938),

Gene: Jasper_61 Start: 39951, Stop: 39571, Start Num: 49

Candidate Starts for Jasper_61:

(7, 40152), (35, 40008), (37, 40005), (Start: 49 @39951 has 32 MA's), (50, 39939), (68, 39783), (71, 39747), (72, 39741), (88, 39609),

Gene: JigglyPuff_6 Start: 1982, Stop: 2365, Start Num: 49

Candidate Starts for JigglyPuff_6:

(38, 1931), (Start: 49 @1982 has 32 MA's), (50, 1994), (68, 2150), (71, 2186), (72, 2192), (82, 2270), (88, 2324),

Gene: Jinglebell_93 Start: 50985, Stop: 51386, Start Num: 42

Candidate Starts for Jinglebell_93:

(11, 50862), (30, 50955), (34, 50964), (Start: 42 @50985 has 58 MA's), (68, 51153), (69, 51180), (70, 51198), (73, 51225), (83, 51294), (84, 51297), (86, 51333),

Gene: Kahve_52 Start: 47351, Stop: 46908, Start Num: 42

Candidate Starts for Kahve_52:

(Start: 42 @47351 has 58 MA's), (43, 47339), (62, 47219), (64, 47189), (68, 47129), (71, 47093), (72, 47087), (88, 46955),

Gene: KashFlow_72 Start: 47258, Stop: 46752, Start Num: 42

Candidate Starts for KashFlow_72:

(Start: 42 @47258 has 58 MA's), (67, 47087), (68, 47072), (69, 47045), (70, 47027), (73, 47000), (83, 46931), (84, 46928), (86, 46892), (91, 46811), (92, 46805), (93, 46802),

Gene: Kersh_88 Start: 52115, Stop: 52522, Start Num: 41

Candidate Starts for Kersh_88:

(4, 51941), (6, 51950), (9, 51974), (31, 52085), (33, 52094), (Start: 41 @52115 has 9 MA's), (51, 52172), (57, 52211), (68, 52307), (71, 52343), (72, 52349), (88, 52481),

Gene: Khan1_52 Start: 47307, Stop: 46918, Start Num: 49

Candidate Starts for Khan1_52:

(Start: 49 @47307 has 32 MA's), (50, 47295), (68, 47139), (71, 47103), (72, 47097), (88, 46965),

Gene: Kronus_50 Start: 46191, Stop: 45748, Start Num: 42

Candidate Starts for Kronus_50:

(Start: 42 @46191 has 58 MA's), (43, 46179), (62, 46059), (64, 46029), (68, 45969), (71, 45933), (72, 45927), (88, 45795),

Gene: Latretium_78 Start: 47174, Stop: 47560, Start Num: 49

Candidate Starts for Latretium_78:

(Start: 49 @47174 has 32 MA's), (50, 47186), (68, 47342), (71, 47378), (72, 47384), (88, 47516),

Gene: Legolas_54 Start: 47787, Stop: 47344, Start Num: 42

Candidate Starts for Legolas_54:

(21, 47859), (25, 47838), (Start: 26 @47832 has 1 MA's), (Start: 42 @47787 has 58 MA's), (43, 47775), (62, 47655), (64, 47625), (68, 47565), (71, 47529), (72, 47523), (88, 47391),

Gene: Llama_93 Start: 50841, Stop: 51242, Start Num: 42

Candidate Starts for Llama_93:

(11, 50718), (30, 50811), (34, 50820), (Start: 42 @50841 has 58 MA's), (68, 51009), (69, 51036), (70, 51054), (73, 51081), (83, 51150), (84, 51153), (86, 51189),

Gene: Longacauda_53 Start: 47750, Stop: 47307, Start Num: 42

Candidate Starts for Longacauda_53:

(21, 47822), (25, 47801), (Start: 26 @47795 has 1 MA's), (Start: 42 @47750 has 58 MA's), (43, 47738), (62, 47618), (64, 47588), (68, 47528), (71, 47492), (72, 47486), (88, 47354),

Gene: Lumine_53 Start: 47538, Stop: 47155, Start Num: 49

Candidate Starts for Lumine_53:

(Start: 49 @47538 has 32 MA's), (50, 47526), (68, 47370), (71, 47334), (72, 47328), (88, 47196),

Gene: MISSy_42 Start: 35034, Stop: 34591, Start Num: 42

Candidate Starts for MISSy_42:

(21, 35106), (Start: 42 @35034 has 58 MA's), (43, 35022), (64, 34872), (68, 34812), (71, 34776), (72, 34770), (88, 34638),

Gene: MPhalcon_42 Start: 35027, Stop: 34584, Start Num: 42

Candidate Starts for MPhalcon_42:

(21, 35099), (Start: 42 @35027 has 58 MA's), (43, 35015), (64, 34865), (68, 34805), (71, 34769), (72, 34763), (88, 34631),

Gene: MadKillah_102 Start: 61818, Stop: 61405, Start Num: 41

Candidate Starts for MadKillah_102:

(10, 61950), (19, 61890), (24, 61869), (Start: 41 @61818 has 9 MA's), (51, 61761), (57, 61722), (68, 61626), (71, 61590), (72, 61584), (88, 61452),

Gene: Makemake_63 Start: 42339, Stop: 41959, Start Num: 49

Candidate Starts for Makemake_63:

(7, 42540), (35, 42396), (37, 42393), (Start: 49 @42339 has 32 MA's), (50, 42327), (68, 42171), (71, 42135), (72, 42129), (88, 41997),

Gene: Marleymoo_67 Start: 49139, Stop: 48684, Start Num: 41

Candidate Starts for Marleymoo_67:

(Start: 41 @49139 has 9 MA's), (64, 48977), (65, 48974), (68, 48917), (69, 48890), (70, 48872), (73, 48845), (83, 48776), (84, 48773), (86, 48737),

Gene: Marlia_51 Start: 45592, Stop: 45149, Start Num: 42

Candidate Starts for Marlia_51:

(Start: 42 @45592 has 58 MA's), (43, 45580), (62, 45460), (64, 45430), (68, 45370), (71, 45334), (72, 45328), (88, 45196),

Gene: Marsha_82 Start: 50494, Stop: 50108, Start Num: 49

Candidate Starts for Marsha_82:

(Start: 49 @50494 has 32 MA's), (50, 50482), (68, 50326), (71, 50290), (72, 50284), (88, 50152),

Gene: Marvin_10 Start: 3597, Stop: 3977, Start Num: 49

Candidate Starts for Marvin_10:

(23, 3501), (29, 3525), (Start: 49 @3597 has 32 MA's), (50, 3609), (68, 3765), (71, 3801), (72, 3807), (88, 3939),

Gene: MmasiCarm_51 Start: 45638, Stop: 45195, Start Num: 42

Candidate Starts for MmasiCarm_51:

(Start: 42 @45638 has 58 MA's), (43, 45626), (62, 45506), (64, 45476), (68, 45416), (71, 45380), (72, 45374), (88, 45242),

Gene: Modragons_91 Start: 50829, Stop: 51230, Start Num: 42

Candidate Starts for Modragons_91:

(11, 50706), (30, 50799), (34, 50808), (Start: 42 @50829 has 58 MA's), (68, 50997), (69, 51024), (70, 51042), (73, 51069), (83, 51138), (84, 51141), (86, 51177),

Gene: Moonbeam_87 Start: 50558, Stop: 50971, Start Num: 41

Candidate Starts for Moonbeam_87:

(13, 50435), (31, 50528), (33, 50537), (Start: 41 @50558 has 9 MA's), (51, 50615), (57, 50654), (68, 50750), (71, 50786), (72, 50792), (88, 50924),

Gene: Mortcellus_50 Start: 46245, Stop: 45802, Start Num: 42

Candidate Starts for Mortcellus_50:

(Start: 42 @46245 has 58 MA's), (43, 46233), (62, 46113), (64, 46083), (68, 46023), (71, 45987), (72, 45981), (88, 45849),

Gene: Mova_78 Start: 47116, Stop: 47487, Start Num: 40

Candidate Starts for Mova_78:

(Start: 40 @47116 has 3 MA's), (43, 47131), (68, 47251), (69, 47278), (70, 47296), (73, 47323), (83, 47392), (84, 47395), (86, 47431),

Gene: MrPhizzler_54 Start: 47284, Stop: 46895, Start Num: 49

Candidate Starts for MrPhizzler_54:

(Start: 49 @47284 has 32 MA's), (50, 47272), (68, 47116), (71, 47080), (72, 47074), (88, 46942),

Gene: Mulaychimus_51 Start: 45574, Stop: 45131, Start Num: 42

Candidate Starts for Mulaychimus_51:

(Start: 42 @45574 has 58 MA's), (43, 45562), (62, 45442), (64, 45412), (68, 45352), (71, 45316), (72, 45310), (88, 45178),

Gene: NEHalo_58 Start: 40784, Stop: 40425, Start Num: 49

Candidate Starts for NEHalo_58:

(7, 40985), (35, 40841), (37, 40838), (Start: 49 @40784 has 32 MA's), (50, 40772), (68, 40637), (71, 40601), (72, 40595), (88, 40463),

Gene: Nala_43 Start: 35539, Stop: 35096, Start Num: 42

Candidate Starts for Nala_43:

(21, 35611), (Start: 42 @35539 has 58 MA's), (43, 35527), (64, 35377), (68, 35317), (71, 35281), (72, 35275), (88, 35143),

Gene: Nibley_68 Start: 46367, Stop: 45957, Start Num: 41

Candidate Starts for Nibley_68:

(Start: 41 @46367 has 9 MA's), (43, 46355), (68, 46175), (71, 46139), (72, 46133), (88, 46001),

Gene: Nichirin_88 Start: 50205, Stop: 50606, Start Num: 42

Candidate Starts for Nichirin_88:

(11, 50082), (30, 50175), (34, 50184), (Start: 42 @50205 has 58 MA's), (68, 50373), (69, 50400), (70, 50418), (73, 50445), (83, 50514), (84, 50517), (86, 50553),

Gene: Nicole21_53 Start: 47623, Stop: 47051, Start Num: 42

Candidate Starts for Nicole21_53:

(21, 47695), (25, 47674), (Start: 26 @47668 has 1 MA's), (Start: 42 @47623 has 58 MA's), (43, 47611), (62, 47491), (64, 47461), (68, 47401), (71, 47365), (72, 47359), (88, 47227), (90, 47185),

Gene: Obutu_51 Start: 45593, Stop: 45150, Start Num: 42

Candidate Starts for Obutu_51:

(Start: 42 @45593 has 58 MA's), (43, 45581), (62, 45461), (64, 45431), (68, 45371), (71, 45335), (72, 45329), (88, 45197),

Gene: Ochi17_92 Start: 50436, Stop: 50837, Start Num: 42

Candidate Starts for Ochi17_92:

(11, 50313), (30, 50406), (34, 50415), (Start: 42 @50436 has 58 MA's), (68, 50604), (69, 50631), (70, 50649), (73, 50676), (83, 50745), (84, 50748), (86, 50784),

Gene: OfUltron_94 Start: 50985, Stop: 51386, Start Num: 42

Candidate Starts for OfUltron_94:

(11, 50862), (30, 50955), (34, 50964), (Start: 42 @50985 has 58 MA's), (68, 51153), (69, 51180), (70, 51198), (73, 51225), (83, 51294), (84, 51297), (86, 51333),

Gene: Ohno789_61 Start: 41528, Stop: 41148, Start Num: 49

Candidate Starts for Ohno789_61:

(7, 41729), (35, 41585), (37, 41582), (Start: 49 @41528 has 32 MA's), (50, 41516), (68, 41360), (71, 41324), (72, 41318), (88, 41186),

Gene: Oksu_91 Start: 51566, Stop: 51967, Start Num: 42

Candidate Starts for Oksu_91:

(3, 51392), (5, 51401), (8, 51425), (30, 51536), (34, 51545), (Start: 42 @51566 has 58 MA's), (68, 51734), (69, 51761), (70, 51779), (73, 51806), (83, 51875), (84, 51878), (86, 51914),

Gene: Olivio_50 Start: 45330, Stop: 45019, Start Num: 62

Candidate Starts for Olivio_50:

(Start: 42 @45462 has 58 MA's), (43, 45450), (62, 45330), (64, 45300), (68, 45240), (71, 45204), (72, 45198), (88, 45066),

Gene: Orwigg_52 Start: 47308, Stop: 46766, Start Num: 42

Candidate Starts for Orwigg_52:

(21, 47380), (25, 47359), (Start: 26 @47353 has 1 MA's), (Start: 42 @47308 has 58 MA's), (43, 47296), (62, 47176), (64, 47146), (68, 47086), (71, 47050), (72, 47044), (88, 46912),

Gene: Ovechkin_85 Start: 49845, Stop: 50309, Start Num: 26

Candidate Starts for Ovechkin_85:

(Start: 26 @49845 has 1 MA's), (Start: 39 @49878 has 2 MA's), (63, 50022), (68, 50094), (74, 50157),

Gene: Phayeta_52 Start: 45475, Stop: 45032, Start Num: 42

Candidate Starts for Phayeta_52:

(Start: 42 @45475 has 58 MA's), (43, 45463), (62, 45343), (64, 45313), (68, 45253), (71, 45217), (72, 45211), (88, 45079),

Gene: PherrisBueller_60 Start: 39602, Stop: 39222, Start Num: 49

Candidate Starts for PherrisBueller_60:

(7, 39803), (35, 39659), (37, 39656), (Start: 49 @39602 has 32 MA's), (50, 39590), (68, 39434), (71, 39398), (72, 39392), (88, 39260),

Gene: RedRaider77_10 Start: 3149, Stop: 3538, Start Num: 49

Candidate Starts for RedRaider77_10:

(Start: 49 @3149 has 32 MA's), (50, 3161), (68, 3317), (71, 3353), (72, 3359), (88, 3491),

Gene: Renaud18_72 Start: 42500, Stop: 42886, Start Num: 42

Candidate Starts for Renaud18_72:

(Start: 42 @42500 has 58 MA's), (43, 42512), (47, 42539), (59, 42584), (68, 42647), (69, 42674), (70, 42692), (73, 42719), (86, 42827),

Gene: Rialto_90 Start: 50654, Stop: 51067, Start Num: 41

Candidate Starts for Rialto_90:

(13, 50531), (31, 50624), (33, 50633), (Start: 41 @50654 has 9 MA's), (51, 50711), (57, 50750), (68, 50846), (71, 50882), (72, 50888), (88, 51020),

Gene: Rimmer_43 Start: 35365, Stop: 34928, Start Num: 42

Candidate Starts for Rimmer_43:

(21, 35437), (Start: 42 @35365 has 58 MA's), (43, 35353), (64, 35203), (68, 35143), (71, 35107), (72, 35101), (88, 34969),

Gene: Rimu_53 Start: 47304, Stop: 46915, Start Num: 49

Candidate Starts for Rimu_53:

(Start: 49 @47304 has 32 MA's), (50, 47292), (68, 47136), (71, 47100), (72, 47094), (88, 46962),

Gene: Rita1961_51 Start: 45594, Stop: 45151, Start Num: 42

Candidate Starts for Rita1961_51:

(Start: 42 @45594 has 58 MA's), (43, 45582), (62, 45462), (64, 45432), (68, 45372), (71, 45336), (72, 45330), (88, 45198),

Gene: Sabbb_88 Start: 48209, Stop: 48622, Start Num: 41

Candidate Starts for Sabbb_88:

(4, 48035), (6, 48044), (9, 48068), (13, 48086), (31, 48179), (33, 48188), (Start: 41 @48209 has 9 MA's), (51, 48266), (57, 48305), (68, 48401), (71, 48437), (72, 48443), (88, 48575),

Gene: Sandaddy_57 Start: 40445, Stop: 40086, Start Num: 49

Candidate Starts for Sandaddy_57:

(7, 40646), (35, 40502), (37, 40499), (Start: 49 @40445 has 32 MA's), (50, 40433), (68, 40298), (71, 40262), (72, 40256), (88, 40124),

Gene: ScoobyDoobyDoo_2 Start: 227, Stop: 613, Start Num: 49

Candidate Starts for ScoobyDoobyDoo_2:

(Start: 49 @227 has 32 MA's), (50, 239), (68, 395), (71, 431), (72, 437), (82, 515), (88, 569),

Gene: Scowl_62 Start: 40833, Stop: 40453, Start Num: 49

Candidate Starts for Scowl_62:

(35, 40890), (37, 40887), (Start: 49 @40833 has 32 MA's), (50, 40821), (68, 40665), (71, 40629), (72, 40623), (88, 40491),

Gene: Seabastian_94 Start: 50986, Stop: 51387, Start Num: 42

Candidate Starts for Seabastian_94:

(11, 50863), (30, 50956), (34, 50965), (Start: 42 @50986 has 58 MA's), (68, 51154), (69, 51181), (70, 51199), (73, 51226), (83, 51295), (84, 51298), (86, 51334),

Gene: Seanderson_63 Start: 42839, Stop: 42384, Start Num: 42

Candidate Starts for Seanderson_63:

(2, 43040), (23, 42896), (24, 42893), (Start: 42 @42839 has 58 MA's), (64, 42677), (65, 42674), (68, 42617), (69, 42590), (70, 42572), (73, 42545), (83, 42476), (84, 42473), (86, 42437),

Gene: Shaboozey_74 Start: 47299, Stop: 46889, Start Num: 41

Candidate Starts for Shaboozey_74:

(Start: 41 @47299 has 9 MA's), (43, 47287), (68, 47107), (71, 47071), (72, 47065), (88, 46933),

Gene: Slim_89 Start: 49993, Stop: 50406, Start Num: 41

Candidate Starts for Slim_89:

(4, 49819), (6, 49828), (9, 49852), (13, 49870), (31, 49963), (33, 49972), (Start: 41 @49993 has 9 MA's), (51, 50050), (57, 50089), (68, 50185), (71, 50221), (72, 50227), (88, 50359),

Gene: SlippinJimmy_52 Start: 46376, Stop: 45933, Start Num: 42

Candidate Starts for SlippinJimmy_52:

(Start: 42 @46376 has 58 MA's), (43, 46364), (62, 46244), (64, 46214), (68, 46154), (71, 46118), (72, 46112), (88, 45980),

Gene: Soile_53 Start: 47351, Stop: 46908, Start Num: 42

Candidate Starts for Soile_53:

(Start: 42 @47351 has 58 MA's), (43, 47339), (62, 47219), (64, 47189), (68, 47129), (71, 47093), (72, 47087), (88, 46955),

Gene: Sorpresa_58 Start: 40447, Stop: 40088, Start Num: 49

Candidate Starts for Sorpresa_58:

(7, 40648), (35, 40504), (37, 40501), (Start: 49 @40447 has 32 MA's), (50, 40435), (68, 40300), (71, 40264), (72, 40258), (88, 40126),

Gene: SpikeBT_59 Start: 40641, Stop: 40282, Start Num: 49

Candidate Starts for SpikeBT_59:

(7, 40842), (35, 40698), (37, 40695), (Start: 49 @40641 has 32 MA's), (50, 40629), (68, 40494), (71, 40458), (72, 40452), (88, 40320),

Gene: StormChicken_44 Start: 35973, Stop: 35536, Start Num: 42

Candidate Starts for StormChicken_44:

(21, 36045), (Start: 42 @35973 has 58 MA's), (43, 35961), (64, 35811), (68, 35751), (71, 35715), (72, 35709), (88, 35577),

Gene: StrongArm_59 Start: 41777, Stop: 41397, Start Num: 49

Candidate Starts for StrongArm_59:

(35, 41834), (37, 41831), (Start: 49 @41777 has 32 MA's), (50, 41765), (68, 41609), (71, 41573), (72, 41567), (88, 41435),

Gene: Sunshine924_66 Start: 41648, Stop: 41211, Start Num: 42

Candidate Starts for Sunshine924_66:

(1, 41849), (23, 41705), (24, 41702), (Start: 42 @41648 has 58 MA's), (43, 41636), (64, 41486), (68, 41426), (87, 41255),

Gene: SwainyDoc_51 Start: 45606, Stop: 45163, Start Num: 42

Candidate Starts for SwainyDoc_51:

(Start: 42 @45606 has 58 MA's), (43, 45594), (62, 45474), (64, 45444), (68, 45384), (71, 45348), (72, 45342), (88, 45210),

Gene: TDanisky_93 Start: 48927, Stop: 49307, Start Num: 41

Candidate Starts for TDanisky_93:

(Start: 41 @48927 has 9 MA's), (68, 49092), (71, 49128), (72, 49134), (88, 49266),

Gene: TeamEdward_45 Start: 35970, Stop: 35533, Start Num: 42

Candidate Starts for TeamEdward_45:

(21, 36042), (Start: 42 @35970 has 58 MA's), (43, 35958), (64, 35808), (68, 35748), (71, 35712), (72, 35706), (88, 35574),

Gene: Thibault_74 Start: 51276, Stop: 51677, Start Num: 42

Candidate Starts for Thibault_74:

(12, 51156), (14, 51159), (20, 51207), (22, 51222), (Start: 42 @51276 has 58 MA's), (68, 51444), (69, 51471), (70, 51489), (73, 51516), (83, 51585), (84, 51588), (86, 51624),

Gene: Thibault_65 Start: 47312, Stop: 46869, Start Num: 42

Candidate Starts for Thibault_65:

(Start: 42 @47312 has 58 MA's), (64, 47150), (65, 47147), (68, 47090), (71, 47054), (72, 47048), (88, 46916),

Gene: TinyTerror_51 Start: 45641, Stop: 45198, Start Num: 42

Candidate Starts for TinyTerror_51:

(Start: 42 @45641 has 58 MA's), (43, 45629), (62, 45509), (64, 45479), (68, 45419), (71, 45383), (72, 45377), (88, 45245),

Gene: VasuNzinga_9 Start: 2804, Stop: 3184, Start Num: 49

Candidate Starts for VasuNzinga_9:

(Start: 49 @2804 has 32 MA's), (50, 2816), (68, 2972), (71, 3008), (72, 3014), (88, 3146),

Gene: Violac_81 Start: 49810, Stop: 50139, Start Num: 54

Candidate Starts for Violac_81:

(Start: 54 @49810 has 1 MA's), (58, 49846), (71, 49960), (72, 49966), (88, 50098),

Gene: Xiaokay_68 Start: 48228, Stop: 47791, Start Num: 42

Candidate Starts for Xiaokay_68:

(Start: 42 @48228 has 58 MA's), (64, 48066), (65, 48063), (68, 48006), (71, 47970), (72, 47964), (88, 47832),

Gene: Youngblood_44 Start: 35976, Stop: 35539, Start Num: 42

Candidate Starts for Youngblood_44:

(21, 36048), (Start: 42 @35976 has 58 MA's), (43, 35964), (64, 35814), (68, 35754), (71, 35718), (72, 35712), (88, 35580),