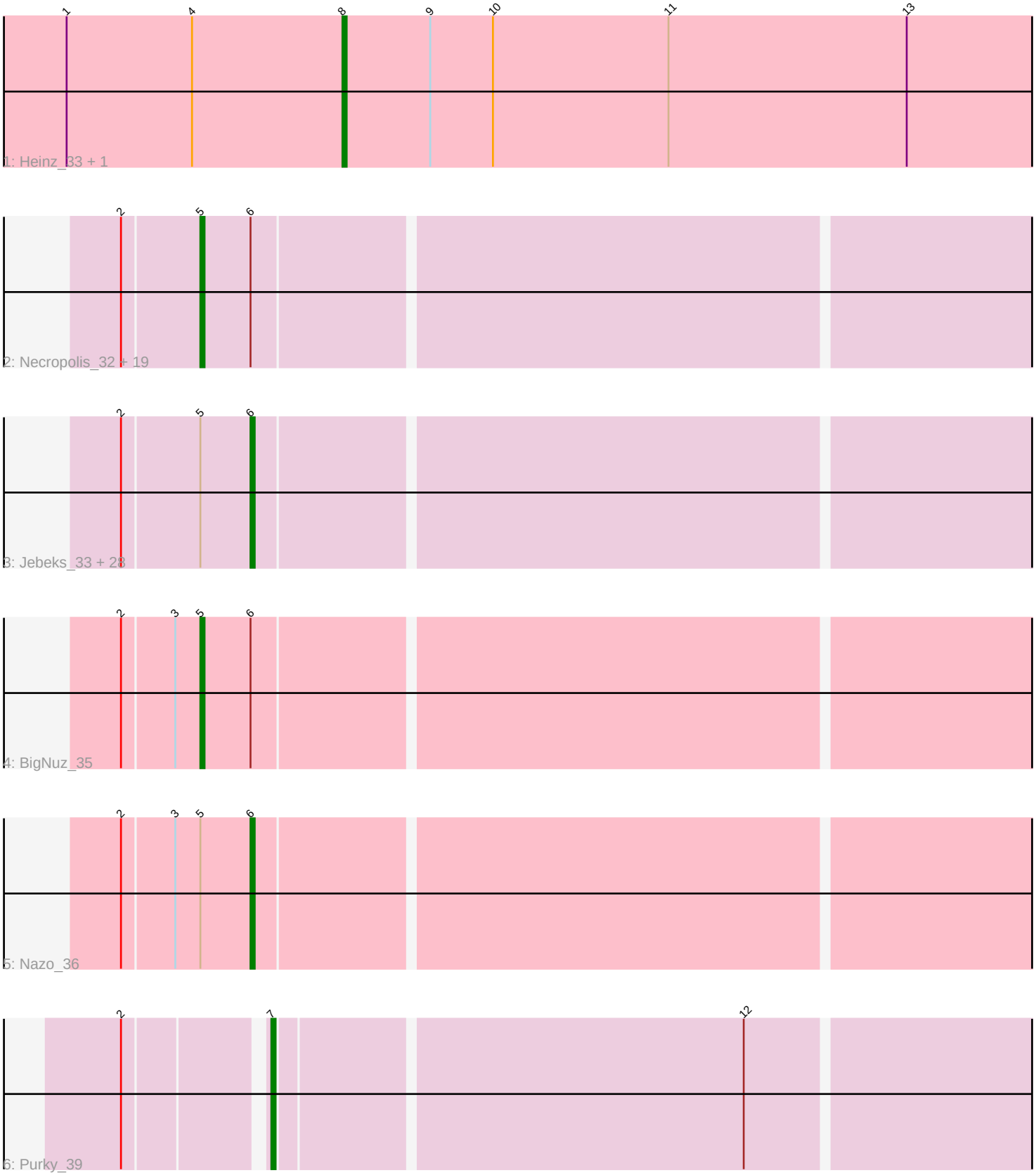
Pham 345807


1
4
8
9
10
11
13
1: Heinz_33 + 1
2
5
6
2: Necropolis_32 + 19
2
5
6
3: Jebeks_33 + 28
2
3
5
6
4: BigNuz_35
2
3
5
6
5: Nazo_36
2
7
12
6: Purky_39

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 345807 Report

This analysis was run 11/14/26 on database version 672.

Pham number 345807 has 54 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Heinz_33, Hibiscus_34
• Track 2 : Necropolis_32, Venti_32, Fishburne_32, StevieRay_32, Langerak_32, Majeke_32, Donovan_32, Mangethe_32, Willsammy_31, Bunnies_32, Thespis_32, Atcoo_32, Zilizebeth_32, Kari_32, Phegasus_32, FirstPlacePfu_32, GaloreK_32, Arib1_32, Etoile_32, Juniormint_32
• Track 3 : Jebeks_33, Bogie_34, Bhagsy_32, Polkaroo_32, KilKor_32, Brusacoram_32, Dynamo_32, GreaseLightnin_32, Phalm_32, Pygmy_34, PeanutPie_32, BronnyJr_32, Techage_32, Ksquared_32, Phineas_32, Camster_32, Malithi_32, Gavriela_32, HUHilltop_32, Sonah_32, CactusJack_32, StressBall_32, Chubbello_32, Vidya_32, Glaske_32, Bartholomew_31, Shipwreck_34, Jung_31, Megiddo_32
• Track 4 : BigNuz_35
• Track 5 : Nazo_36
• Track 6 : Purky_39

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

The start number called the most often in the published annotations is 6, it was called in 26 of the 49 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bartholomew_31, Bhagsy_32, Bogie_34, BronnyJr_32, Brusacoram_32, CactusJack_32, Camster_32, Chubbello_32, Dynamo_32, Gavriela_32, Glaske_32, GreaseLightnin_32, HUHilltop_32, Jebeks_33, Jung_31, KilKor_32, Ksquared_32, Malithi_32, Megiddo_32, Nazo_36, PeanutPie_32, Phalm_32, Phineas_32, Polkaroo_32, Pygmy_34, Shipwreck_34, Sonah_32, StressBall_32, Techage_32, Vidya_32,

Genes that have the "Most Annotated" start but do not call it:
• Arib1_32, Atcoo_32, BigNuz_35, Bunnies_32, Donovan_32, Etoile_32, FirstPlacePfu_32, Fishburne_32, GaloreK_32, Juniormint_32, Kari_32, Langerak_32, Majeke_32, Mangethe_32, Necropolis_32, Phegasus_32, StevieRay_32, Thespis_32, Venti_32, Willsammy_31, Zilizebeth_32,

Genes that do not have the "Most Annotated" start:
• Heinz_33, Hibiscus_34, Purky_39,

Summary by start number:

Start 5:
• Found in 51 of 54 (94.4%) of genes in pham
• Manual Annotations of this start: 20 of 49
• Called 41.2% of time when present
• Phage (with cluster) where this start called: Arib1_32 (P1), Atcoo_32 (P1), BigNuz_35 (P4), Bunnies_32 (P1), Donovan_32 (P1), Etoile_32 (P1), FirstPlacePfu_32 (P1), Fishburne_32 (P1), GaloreK_32 (P1), Juniormint_32 (P1), Kari_32 (P1), Langerak_32 (P1), Majeke_32 (P1), Mangethe_32 (P1), Necropolis_32 (P1), Phegasus_32 (P1), StevieRay_32 (P1), Thespis_32 (P1), Venti_32 (P1), Willsammy_31 (P1), Zilizebeth_32 (P1),

Start 6:
• Found in 51 of 54 (94.4%) of genes in pham
• Manual Annotations of this start: 26 of 49
• Called 58.8% of time when present
• Phage (with cluster) where this start called: Bartholomew_31 (P1), Bhagsy_32 (P1), Bogie_34 (P1), BronnyJr_32 (P1), Brusacoram_32 (P1), CactusJack_32 (P1), Camster_32 (P1), Chubbello_32 (P1), Dynamo_32 (P1), Gavriela_32 (P1), Glaske_32 (P1), GreaseLightnin_32 (P1), HUHilltop_32 (P1), Jebeks_33 (P1), Jung_31 (P1), KilKor_32 (P1), Ksquared_32 (P1), Malithi_32 (P1), Megiddo_32 (P1), Nazo_36 (P4), PeanutPie_32 (P1), Phalm_32 (P1), Phineas_32 (P1), Polkaroo_32 (P1), Pygmy_34 (P1), Shipwreck_34 (P1), Sonah_32 (P1), StressBall_32 (P1), Techage_32 (P1), Vidya_32 (P1),

Start 7:
• Found in 1 of 54 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Purky_39 (P6),

Start 8:
• Found in 2 of 54 (3.7%) of genes in pham
• Manual Annotations of this start: 2 of 49
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Heinz_33 (DY), Hibiscus_34 (DY),

Summary by clusters:

There are 4 clusters represented in this pham: P1, P6, P4, DY,

Info for manual annotations of cluster DY:
•Start number 8 was manually annotated 2 times for cluster DY.

Info for manual annotations of cluster P1:
•Start number 5 was manually annotated 19 times for cluster P1.
•Start number 6 was manually annotated 25 times for cluster P1.

Info for manual annotations of cluster P4:

•Start number 5 was manually annotated 1 time for cluster P4.
•Start number 6 was manually annotated 1 time for cluster P4.

Info for manual annotations of cluster P6:
•Start number 7 was manually annotated 1 time for cluster P6.

Gene Information:

Gene: Arib1_32 Start: 27470, Stop: 27715, Start Num: 5
Candidate Starts for Arib1_32:
(2, 27452), (Start: 5 @27470 has 20 MA's), (Start: 6 @27482 has 26 MA's),

Gene: Atcoo_32 Start: 27951, Stop: 28196, Start Num: 5
Candidate Starts for Atcoo_32:
(2, 27933), (Start: 5 @27951 has 20 MA's), (Start: 6 @27963 has 26 MA's),

Gene: Bartholomew_31 Start: 27476, Stop: 27709, Start Num: 6
Candidate Starts for Bartholomew_31:
(2, 27446), (Start: 5 @27464 has 20 MA's), (Start: 6 @27476 has 26 MA's),

Gene: Bhagsy_32 Start: 27472, Stop: 27705, Start Num: 6
Candidate Starts for Bhagsy_32:
(2, 27442), (Start: 5 @27460 has 20 MA's), (Start: 6 @27472 has 26 MA's),

Gene: BigNuz_35 Start: 29592, Stop: 29837, Start Num: 5
Candidate Starts for BigNuz_35:
(2, 29574), (3, 29586), (Start: 5 @29592 has 20 MA's), (Start: 6 @29604 has 26 MA's),

Gene: Bogie_34 Start: 29259, Stop: 29492, Start Num: 6
Candidate Starts for Bogie_34:
(2, 29229), (Start: 5 @29247 has 20 MA's), (Start: 6 @29259 has 26 MA's),

Gene: BronnyJr_32 Start: 27973, Stop: 28206, Start Num: 6
Candidate Starts for BronnyJr_32:
(2, 27943), (Start: 5 @27961 has 20 MA's), (Start: 6 @27973 has 26 MA's),

Gene: Brusacoram_32 Start: 27469, Stop: 27702, Start Num: 6
Candidate Starts for Brusacoram_32:
(2, 27439), (Start: 5 @27457 has 20 MA's), (Start: 6 @27469 has 26 MA's),

Gene: Bunnies_32 Start: 27478, Stop: 27723, Start Num: 5
Candidate Starts for Bunnies_32:
(2, 27460), (Start: 5 @27478 has 20 MA's), (Start: 6 @27490 has 26 MA's),

Gene: CactusJack_32 Start: 27733, Stop: 27966, Start Num: 6
Candidate Starts for CactusJack_32:
(2, 27703), (Start: 5 @27721 has 20 MA's), (Start: 6 @27733 has 26 MA's),

Gene: Camster_32 Start: 27506, Stop: 27739, Start Num: 6
Candidate Starts for Camster_32:
(2, 27476), (Start: 5 @27494 has 20 MA's), (Start: 6 @27506 has 26 MA's),

Gene: Chubbello_32 Start: 27475, Stop: 27708, Start Num: 6
Candidate Starts for Chubbello_32:
(2, 27445), (Start: 5 @27463 has 20 MA's), (Start: 6 @27475 has 26 MA's),

Gene: Donovan_32 Start: 27486, Stop: 27731, Start Num: 5
Candidate Starts for Donovan_32:
(2, 27468), (Start: 5 @27486 has 20 MA's), (Start: 6 @27498 has 26 MA's),

Gene: Dynamo_32 Start: 27887, Stop: 28120, Start Num: 6
Candidate Starts for Dynamo_32:
(2, 27857), (Start: 5 @27875 has 20 MA's), (Start: 6 @27887 has 26 MA's),

Gene: Etoile_32 Start: 27464, Stop: 27709, Start Num: 5
Candidate Starts for Etoile_32:
(2, 27446), (Start: 5 @27464 has 20 MA's), (Start: 6 @27476 has 26 MA's),

Gene: FirstPlacePfu_32 Start: 27496, Stop: 27741, Start Num: 5
Candidate Starts for FirstPlacePfu_32:
(2, 27478), (Start: 5 @27496 has 20 MA's), (Start: 6 @27508 has 26 MA's),

Gene: Fishburne_32 Start: 27464, Stop: 27709, Start Num: 5
Candidate Starts for Fishburne_32:
(2, 27446), (Start: 5 @27464 has 20 MA's), (Start: 6 @27476 has 26 MA's),

Gene: GaloreK_32 Start: 27460, Stop: 27705, Start Num: 5
Candidate Starts for GaloreK_32:
(2, 27442), (Start: 5 @27460 has 20 MA's), (Start: 6 @27472 has 26 MA's),

Gene: Gavriela_32 Start: 27733, Stop: 27966, Start Num: 6
Candidate Starts for Gavriela_32:
(2, 27703), (Start: 5 @27721 has 20 MA's), (Start: 6 @27733 has 26 MA's),

Gene: Glaske_32 Start: 27733, Stop: 27966, Start Num: 6
Candidate Starts for Glaske_32:
(2, 27703), (Start: 5 @27721 has 20 MA's), (Start: 6 @27733 has 26 MA's),

Gene: GreaseLightnin_32 Start: 27725, Stop: 27958, Start Num: 6
Candidate Starts for GreaseLightnin_32:
(2, 27695), (Start: 5 @27713 has 20 MA's), (Start: 6 @27725 has 26 MA's),

Gene: HUHilltop_32 Start: 27509, Stop: 27742, Start Num: 6
Candidate Starts for HUHilltop_32:
(2, 27479), (Start: 5 @27497 has 20 MA's), (Start: 6 @27509 has 26 MA's),

Gene: Heinz_33 Start: 25599, Stop: 25826, Start Num: 8
Candidate Starts for Heinz_33:
(1, 25533), (4, 25563), (Start: 8 @25599 has 2 MA's), (9, 25620), (10, 25635), (11, 25677), (13, 25734),

Gene: Hibiscus_34 Start: 25548, Stop: 25775, Start Num: 8
Candidate Starts for Hibiscus_34:
(1, 25482), (4, 25512), (Start: 8 @25548 has 2 MA's), (9, 25569), (10, 25584), (11, 25626), (13, 25683),

Gene: Jebeks_33 Start: 27461, Stop: 27694, Start Num: 6
Candidate Starts for Jebeks_33:
(2, 27431), (Start: 5 @27449 has 20 MA's), (Start: 6 @27461 has 26 MA's),

Gene: Jung_31 Start: 27440, Stop: 27673, Start Num: 6
Candidate Starts for Jung_31:
(2, 27410), (Start: 5 @27428 has 20 MA's), (Start: 6 @27440 has 26 MA's),

Gene: Juniormint_32 Start: 27500, Stop: 27745, Start Num: 5
Candidate Starts for Juniormint_32:
(2, 27482), (Start: 5 @27500 has 20 MA's), (Start: 6 @27512 has 26 MA's),

Gene: Kari_32 Start: 27461, Stop: 27706, Start Num: 5
Candidate Starts for Kari_32:
(2, 27443), (Start: 5 @27461 has 20 MA's), (Start: 6 @27473 has 26 MA's),

Gene: KilKor_32 Start: 27733, Stop: 27966, Start Num: 6
Candidate Starts for KilKor_32:
(2, 27703), (Start: 5 @27721 has 20 MA's), (Start: 6 @27733 has 26 MA's),

Gene: Ksquared_32 Start: 27490, Stop: 27723, Start Num: 6
Candidate Starts for Ksquared_32:
(2, 27460), (Start: 5 @27478 has 20 MA's), (Start: 6 @27490 has 26 MA's),

Gene: Langerak_32 Start: 27480, Stop: 27725, Start Num: 5
Candidate Starts for Langerak_32:
(2, 27462), (Start: 5 @27480 has 20 MA's), (Start: 6 @27492 has 26 MA's),

Gene: Majeke_32 Start: 27502, Stop: 27747, Start Num: 5
Candidate Starts for Majeke_32:
(2, 27484), (Start: 5 @27502 has 20 MA's), (Start: 6 @27514 has 26 MA's),

Gene: Malithi_32 Start: 27399, Stop: 27632, Start Num: 6
Candidate Starts for Malithi_32:
(2, 27369), (Start: 5 @27387 has 20 MA's), (Start: 6 @27399 has 26 MA's),

Gene: Mangethe_32 Start: 27502, Stop: 27747, Start Num: 5
Candidate Starts for Mangethe_32:
(2, 27484), (Start: 5 @27502 has 20 MA's), (Start: 6 @27514 has 26 MA's),

Gene: Megiddo_32 Start: 27733, Stop: 27966, Start Num: 6
Candidate Starts for Megiddo_32:
(2, 27703), (Start: 5 @27721 has 20 MA's), (Start: 6 @27733 has 26 MA's),

Gene: Nazo_36 Start: 29606, Stop: 29839, Start Num: 6
Candidate Starts for Nazo_36:
(2, 29576), (3, 29588), (Start: 5 @29594 has 20 MA's), (Start: 6 @29606 has 26 MA's),

Gene: Necropolis_32 Start: 27461, Stop: 27706, Start Num: 5
Candidate Starts for Necropolis_32:
(2, 27443), (Start: 5 @27461 has 20 MA's), (Start: 6 @27473 has 26 MA's),

Gene: PeanutPie_32 Start: 27472, Stop: 27705, Start Num: 6

Candidate Starts for PeanutPie_32:
(2, 27442), (Start: 5 @27460 has 20 MA's), (Start: 6 @27472 has 26 MA's),

Gene: Phalm_32 Start: 27733, Stop: 27966, Start Num: 6
Candidate Starts for Phalm_32:
(2, 27703), (Start: 5 @27721 has 20 MA's), (Start: 6 @27733 has 26 MA's),

Gene: Phegasus_32 Start: 27469, Stop: 27714, Start Num: 5
Candidate Starts for Phegasus_32:
(2, 27451), (Start: 5 @27469 has 20 MA's), (Start: 6 @27481 has 26 MA's),

Gene: Phineas_32 Start: 27847, Stop: 28080, Start Num: 6
Candidate Starts for Phineas_32:
(2, 27817), (Start: 5 @27835 has 20 MA's), (Start: 6 @27847 has 26 MA's),

Gene: Polkaroo_32 Start: 27490, Stop: 27723, Start Num: 6
Candidate Starts for Polkaroo_32:
(2, 27460), (Start: 5 @27478 has 20 MA's), (Start: 6 @27490 has 26 MA's),

Gene: Purky_39 Start: 30247, Stop: 30462, Start Num: 7
Candidate Starts for Purky_39:
(2, 30217), (Start: 7 @30247 has 1 MA's), (12, 30355),

Gene: Pygmy_34 Start: 29315, Stop: 29548, Start Num: 6
Candidate Starts for Pygmy_34:
(2, 29285), (Start: 5 @29303 has 20 MA's), (Start: 6 @29315 has 26 MA's),

Gene: Shipwreck_34 Start: 29290, Stop: 29523, Start Num: 6
Candidate Starts for Shipwreck_34:
(2, 29260), (Start: 5 @29278 has 20 MA's), (Start: 6 @29290 has 26 MA's),

Gene: Sonah_32 Start: 27462, Stop: 27695, Start Num: 6
Candidate Starts for Sonah_32:
(2, 27432), (Start: 5 @27450 has 20 MA's), (Start: 6 @27462 has 26 MA's),

Gene: StevieRay_32 Start: 27429, Stop: 27674, Start Num: 5
Candidate Starts for StevieRay_32:
(2, 27411), (Start: 5 @27429 has 20 MA's), (Start: 6 @27441 has 26 MA's),

Gene: StressBall_32 Start: 27733, Stop: 27966, Start Num: 6
Candidate Starts for StressBall_32:
(2, 27703), (Start: 5 @27721 has 20 MA's), (Start: 6 @27733 has 26 MA's),

Gene: Techage_32 Start: 27499, Stop: 27732, Start Num: 6
Candidate Starts for Techage_32:
(2, 27469), (Start: 5 @27487 has 20 MA's), (Start: 6 @27499 has 26 MA's),

Gene: Thespis_32 Start: 27457, Stop: 27702, Start Num: 5
Candidate Starts for Thespis_32:
(2, 27439), (Start: 5 @27457 has 20 MA's), (Start: 6 @27469 has 26 MA's),

Gene: Venti_32 Start: 27464, Stop: 27709, Start Num: 5
Candidate Starts for Venti_32:

(2, 27446), (Start: 5 @27464 has 20 MA's), (Start: 6 @27476 has 26 MA's),

Gene: Vidya_32 Start: 27509, Stop: 27742, Start Num: 6
Candidate Starts for Vidya_32:
(2, 27479), (Start: 5 @27497 has 20 MA's), (Start: 6 @27509 has 26 MA's),

Gene: Willsammy_31 Start: 27204, Stop: 27449, Start Num: 5
Candidate Starts for Willsammy_31:
(2, 27186), (Start: 5 @27204 has 20 MA's), (Start: 6 @27216 has 26 MA's),

Gene: Zilizebeth_32 Start: 27496, Stop: 27741, Start Num: 5
Candidate Starts for Zilizebeth_32:
(2, 27478), (Start: 5 @27496 has 20 MA's), (Start: 6 @27508 has 26 MA's),