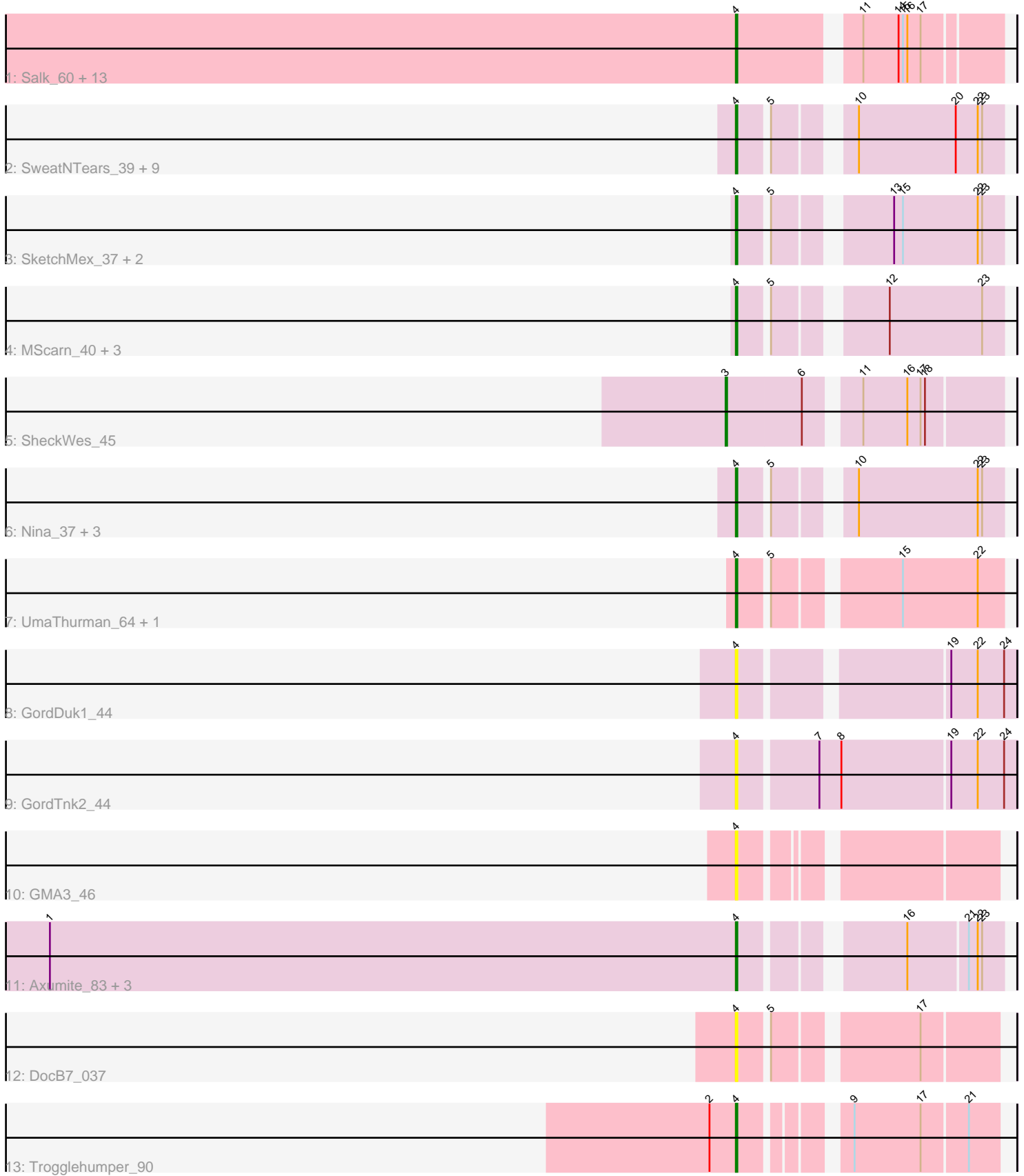


Pham 161951



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 161951 Report

This analysis was run 04/28/24 on database version 559.

Pham number 161951 has 47 members, 16 are drafts.

Phages represented in each track:

- Track 1 : Salk_60, Egad_60, Stayer_60, Sloopyjoe_60, Linda_60, Raunak_62, StarLord_60, BronxBay_60, Michelle_60, ProfFrink_62, Djungelskog_59, MrAaronian_60, Shiba_59, DoctorPepper_61
- Track 2 : SweatNTears_39, Agatha_37, Cozz_36, Quasar_38, RedBaron_40, PsychoKiller_37, Sopespian_37, Elliott_38, Axym_37, GoldHunter_39
- Track 3 : SketchMex_37, Biskit_39, Troje_39
- Track 4 : MScarn_40, Horseradish_39, Buttrmlkdreams_39, Yummy_39
- Track 5 : SheckWes_45
- Track 6 : Nina_37, MunkgeeRoachy_38, Typhonmarchy_37, Burnsey_37
- Track 7 : UmaThurman_64, PhrostedPhlake_68
- Track 8 : GordDuk1_44
- Track 9 : GordTnk2_44
- Track 10 : GMA3_46
- Track 11 : Axumite_83, Shatter_83, Fresco_83, Ligma_83
- Track 12 : DocB7_037
- Track 13 : Trogglehumper_90

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

The start number called the most often in the published annotations is 4, it was called in 30 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agatha_37, Axumite_83, Axym_37, Biskit_39, BronxBay_60, Burnsey_37, Buttrmlkdreams_39, Cozz_36, Djungelskog_59, DocB7_037, DoctorPepper_61, Egad_60, Elliott_38, Fresco_83, GMA3_46, GoldHunter_39, GordDuk1_44, GordTnk2_44, Horseradish_39, Ligma_83, Linda_60, MScarn_40, Michelle_60, MrAaronian_60, MunkgeeRoachy_38, Nina_37, PhrostedPhlake_68, ProfFrink_62, PsychoKiller_37, Quasar_38, Raunak_62, RedBaron_40, Salk_60, Shatter_83, Shiba_59, SketchMex_37, Sloopyjoe_60, Sopespian_37, StarLord_60, Stayer_60, SweatNTears_39, Trogglehumper_90, Troje_39, Typhonmarchy_37, UmaThurman_64, Yummy_39,

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

-

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

- SheckWes_45,

Summary by start number:

Start 3:

- Found in 1 of 47 (2.1%) of genes in pham
- Manual Annotations of this start: 1 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SheckWes_45 (CT),

Start 4:

- Found in 46 of 47 (97.9%) of genes in pham
- Manual Annotations of this start: 30 of 31
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agatha_37 (CT), Axumite_83 (DR), Axym_37 (CT), Biskit_39 (CT), BronxBay_60 (AW), Burnsey_37 (CT), Buttrmlkdreams_39 (CT), Cozz_36 (CT), Djungelskog_59 (AW), DocB7_037 (singleton), DoctorPepper_61 (AW), Egad_60 (AW), Elliott_38 (CT), Fresco_83 (DR), GMA3_46 (DF2), GoldHunter_39 (CT), GordDuk1_44 (DF1), GordTnk2_44 (DF1), Horseradish_39 (CT), Ligma_83 (DR), Linda_60 (AW), MScarn_40 (CT), Michelle_60 (AW), MrAaronian_60 (AW), MunkgeeRoachy_38 (CT), Nina_37 (CT), PhrostedPhlake_68 (CV), ProfFrink_62 (AW), PsychoKiller_37 (CT), Quasar_38 (CT), Raunak_62 (AW), RedBaron_40 (CT), Salk_60 (AW), Shatter_83 (DR), Shiba_59 (AW), SketchMex_37 (CT), Sloopyjoe_60 (AW), Sopespian_37 (CT), StarLord_60 (AW), Stayer_60 (AW), SweatNTears_39 (CT), Trogglehumper_90 (singleton), Troje_39 (CT), Typhonmarchy_37 (CT), UmaThurman_64 (CV), Yummy_39 (CT),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, DF1, DF2, AW, DR, CV, CT,

Info for manual annotations of cluster AW:

- Start number 4 was manually annotated 11 times for cluster AW.

Info for manual annotations of cluster CT:

- Start number 3 was manually annotated 1 time for cluster CT.
- Start number 4 was manually annotated 14 times for cluster CT.

Info for manual annotations of cluster CV:

- Start number 4 was manually annotated 2 times for cluster CV.

Info for manual annotations of cluster DR:

- Start number 4 was manually annotated 2 times for cluster DR.

Gene Information:

Gene: Agatha_37 Start: 27161, Stop: 27003, Start Num: 4
Candidate Starts for Agatha_37:
(Start: 4 @27161 has 30 MA's), (5, 27143), (10, 27101), (20, 27035), (22, 27020), (23, 27017),

Gene: Axumite_83 Start: 60379, Stop: 60224, Start Num: 4
Candidate Starts for Axumite_83:
(1, 60847), (Start: 4 @60379 has 30 MA's), (16, 60286), (21, 60247), (22, 60241), (23, 60238),

Gene: Axym_37 Start: 27139, Stop: 26981, Start Num: 4
Candidate Starts for Axym_37:
(Start: 4 @27139 has 30 MA's), (5, 27121), (10, 27079), (20, 27013), (22, 26998), (23, 26995),

Gene: Biskit_39 Start: 27114, Stop: 26956, Start Num: 4
Candidate Starts for Biskit_39:
(Start: 4 @27114 has 30 MA's), (5, 27096), (13, 27030), (15, 27024), (22, 26973), (23, 26970),

Gene: BronxBay_60 Start: 40986, Stop: 41147, Start Num: 4
Candidate Starts for BronxBay_60:
(Start: 4 @40986 has 30 MA's), (11, 41058), (14, 41082), (15, 41085), (16, 41088), (17, 41097),

Gene: Burnsey_37 Start: 27152, Stop: 26994, Start Num: 4
Candidate Starts for Burnsey_37:
(Start: 4 @27152 has 30 MA's), (5, 27134), (10, 27092), (22, 27011), (23, 27008),

Gene: Buttrmlkdreams_39 Start: 27438, Stop: 27280, Start Num: 4
Candidate Starts for Buttrmlkdreams_39:
(Start: 4 @27438 has 30 MA's), (5, 27420), (12, 27357), (23, 27294),

Gene: Cozz_36 Start: 26749, Stop: 26591, Start Num: 4
Candidate Starts for Cozz_36:
(Start: 4 @26749 has 30 MA's), (5, 26731), (10, 26689), (20, 26623), (22, 26608), (23, 26605),

Gene: Djungelskog_59 Start: 40985, Stop: 41146, Start Num: 4
Candidate Starts for Djungelskog_59:
(Start: 4 @40985 has 30 MA's), (11, 41057), (14, 41081), (15, 41084), (16, 41087), (17, 41096),

Gene: DocB7_037 Start: 37679, Stop: 37524, Start Num: 4
Candidate Starts for DocB7_037:
(Start: 4 @37679 has 30 MA's), (5, 37661), (17, 37574),

Gene: DoctorPepper_61 Start: 40690, Stop: 40851, Start Num: 4
Candidate Starts for DoctorPepper_61:
(Start: 4 @40690 has 30 MA's), (11, 40762), (14, 40786), (15, 40789), (16, 40792), (17, 40801),

Gene: Egad_60 Start: 40987, Stop: 41148, Start Num: 4
Candidate Starts for Egad_60:
(Start: 4 @40987 has 30 MA's), (11, 41059), (14, 41083), (15, 41086), (16, 41089), (17, 41098),

Gene: Elliott_38 Start: 27160, Stop: 27002, Start Num: 4
Candidate Starts for Elliott_38:
(Start: 4 @27160 has 30 MA's), (5, 27142), (10, 27100), (20, 27034), (22, 27019), (23, 27016),

Gene: Fresco_83 Start: 60385, Stop: 60230, Start Num: 4

Candidate Starts for Fresco_83:
(1, 60853), (Start: 4 @60385 has 30 MA's), (16, 60292), (21, 60253), (22, 60247), (23, 60244),

Gene: GMA3_46 Start: 44762, Stop: 44610, Start Num: 4
Candidate Starts for GMA3_46:
(Start: 4 @44762 has 30 MA's),

Gene: GoldHunter_39 Start: 27161, Stop: 27003, Start Num: 4
Candidate Starts for GoldHunter_39:
(Start: 4 @27161 has 30 MA's), (5, 27143), (10, 27101), (20, 27035), (22, 27020), (23, 27017),

Gene: GordDuk1_44 Start: 42833, Stop: 42663, Start Num: 4
Candidate Starts for GordDuk1_44:
(Start: 4 @42833 has 30 MA's), (19, 42707), (22, 42689), (24, 42671),

Gene: GordTnk2_44 Start: 42811, Stop: 42629, Start Num: 4
Candidate Starts for GordTnk2_44:
(Start: 4 @42811 has 30 MA's), (7, 42760), (8, 42745), (19, 42673), (22, 42655), (24, 42637),

Gene: Horseradish_39 Start: 26966, Stop: 26808, Start Num: 4
Candidate Starts for Horseradish_39:
(Start: 4 @26966 has 30 MA's), (5, 26948), (12, 26885), (23, 26822),

Gene: Ligma_83 Start: 60379, Stop: 60224, Start Num: 4
Candidate Starts for Ligma_83:
(1, 60847), (Start: 4 @60379 has 30 MA's), (16, 60286), (21, 60247), (22, 60241), (23, 60238),

Gene: Linda_60 Start: 40983, Stop: 41144, Start Num: 4
Candidate Starts for Linda_60:
(Start: 4 @40983 has 30 MA's), (11, 41055), (14, 41079), (15, 41082), (16, 41085), (17, 41094),

Gene: MScarn_40 Start: 27106, Stop: 26948, Start Num: 4
Candidate Starts for MScarn_40:
(Start: 4 @27106 has 30 MA's), (5, 27088), (12, 27025), (23, 26962),

Gene: Michelle_60 Start: 40985, Stop: 41146, Start Num: 4
Candidate Starts for Michelle_60:
(Start: 4 @40985 has 30 MA's), (11, 41057), (14, 41081), (15, 41084), (16, 41087), (17, 41096),

Gene: MrAaronian_60 Start: 40985, Stop: 41146, Start Num: 4
Candidate Starts for MrAaronian_60:
(Start: 4 @40985 has 30 MA's), (11, 41057), (14, 41081), (15, 41084), (16, 41087), (17, 41096),

Gene: MunkgeeRoachy_38 Start: 26623, Stop: 26465, Start Num: 4
Candidate Starts for MunkgeeRoachy_38:
(Start: 4 @26623 has 30 MA's), (5, 26605), (10, 26563), (22, 26482), (23, 26479),

Gene: Nina_37 Start: 27285, Stop: 27127, Start Num: 4
Candidate Starts for Nina_37:
(Start: 4 @27285 has 30 MA's), (5, 27267), (10, 27225), (22, 27144), (23, 27141),

Gene: PhrostedPhlake_68 Start: 41801, Stop: 41962, Start Num: 4
Candidate Starts for PhrostedPhlake_68:

(Start: 4 @41801 has 30 MA's), (5, 41819), (15, 41894), (22, 41945),

Gene: ProfFrink_62 Start: 40986, Stop: 41147, Start Num: 4

Candidate Starts for ProfFrink_62:

(Start: 4 @40986 has 30 MA's), (11, 41058), (14, 41082), (15, 41085), (16, 41088), (17, 41097),

Gene: PsychoKiller_37 Start: 27161, Stop: 27003, Start Num: 4

Candidate Starts for PsychoKiller_37:

(Start: 4 @27161 has 30 MA's), (5, 27143), (10, 27101), (20, 27035), (22, 27020), (23, 27017),

Gene: Quasar_38 Start: 27709, Stop: 27551, Start Num: 4

Candidate Starts for Quasar_38:

(Start: 4 @27709 has 30 MA's), (5, 27691), (10, 27649), (20, 27583), (22, 27568), (23, 27565),

Gene: Raunak_62 Start: 40683, Stop: 40844, Start Num: 4

Candidate Starts for Raunak_62:

(Start: 4 @40683 has 30 MA's), (11, 40755), (14, 40779), (15, 40782), (16, 40785), (17, 40794),

Gene: RedBaron_40 Start: 27398, Stop: 27240, Start Num: 4

Candidate Starts for RedBaron_40:

(Start: 4 @27398 has 30 MA's), (5, 27380), (10, 27338), (20, 27272), (22, 27257), (23, 27254),

Gene: Salk_60 Start: 40983, Stop: 41144, Start Num: 4

Candidate Starts for Salk_60:

(Start: 4 @40983 has 30 MA's), (11, 41055), (14, 41079), (15, 41082), (16, 41085), (17, 41094),

Gene: Shatter_83 Start: 60379, Stop: 60224, Start Num: 4

Candidate Starts for Shatter_83:

(1, 60847), (Start: 4 @60379 has 30 MA's), (16, 60286), (21, 60247), (22, 60241), (23, 60238),

Gene: SheckWes_45 Start: 30252, Stop: 30079, Start Num: 3

Candidate Starts for SheckWes_45:

(Start: 3 @30252 has 1 MA's), (6, 30201), (11, 30171), (16, 30141), (17, 30132), (18, 30129),

Gene: Shiba_59 Start: 40683, Stop: 40844, Start Num: 4

Candidate Starts for Shiba_59:

(Start: 4 @40683 has 30 MA's), (11, 40755), (14, 40779), (15, 40782), (16, 40785), (17, 40794),

Gene: SketchMex_37 Start: 27114, Stop: 26956, Start Num: 4

Candidate Starts for SketchMex_37:

(Start: 4 @27114 has 30 MA's), (5, 27096), (13, 27030), (15, 27024), (22, 26973), (23, 26970),

Gene: Sloopyjoe_60 Start: 40987, Stop: 41148, Start Num: 4

Candidate Starts for Sloopyjoe_60:

(Start: 4 @40987 has 30 MA's), (11, 41059), (14, 41083), (15, 41086), (16, 41089), (17, 41098),

Gene: Sopespian_37 Start: 27162, Stop: 27004, Start Num: 4

Candidate Starts for Sopespian_37:

(Start: 4 @27162 has 30 MA's), (5, 27144), (10, 27102), (20, 27036), (22, 27021), (23, 27018),

Gene: StarLord_60 Start: 40986, Stop: 41147, Start Num: 4

Candidate Starts for StarLord_60:

(Start: 4 @40986 has 30 MA's), (11, 41058), (14, 41082), (15, 41085), (16, 41088), (17, 41097),

Gene: Stayer_60 Start: 40983, Stop: 41144, Start Num: 4

Candidate Starts for Stayer_60:

(Start: 4 @40983 has 30 MA's), (11, 41055), (14, 41079), (15, 41082), (16, 41085), (17, 41094),

Gene: SweatNTears_39 Start: 27058, Stop: 26900, Start Num: 4

Candidate Starts for SweatNTears_39:

(Start: 4 @27058 has 30 MA's), (5, 27040), (10, 26998), (20, 26932), (22, 26917), (23, 26914),

Gene: Trogglehumper_90 Start: 66999, Stop: 66847, Start Num: 4

Candidate Starts for Trogglehumper_90:

(2, 67017), (Start: 4 @66999 has 30 MA's), (9, 66942), (17, 66897), (21, 66867),

Gene: Troje_39 Start: 27463, Stop: 27305, Start Num: 4

Candidate Starts for Troje_39:

(Start: 4 @27463 has 30 MA's), (5, 27445), (13, 27379), (15, 27373), (22, 27322), (23, 27319),

Gene: Typhonomachy_37 Start: 26780, Stop: 26622, Start Num: 4

Candidate Starts for Typhonomachy_37:

(Start: 4 @26780 has 30 MA's), (5, 26762), (10, 26720), (22, 26639), (23, 26636),

Gene: UmaThurman_64 Start: 41829, Stop: 41990, Start Num: 4

Candidate Starts for UmaThurman_64:

(Start: 4 @41829 has 30 MA's), (5, 41847), (15, 41922), (22, 41973),

Gene: Yummy_39 Start: 27080, Stop: 26922, Start Num: 4

Candidate Starts for Yummy_39:

(Start: 4 @27080 has 30 MA's), (5, 27062), (12, 26999), (23, 26936),