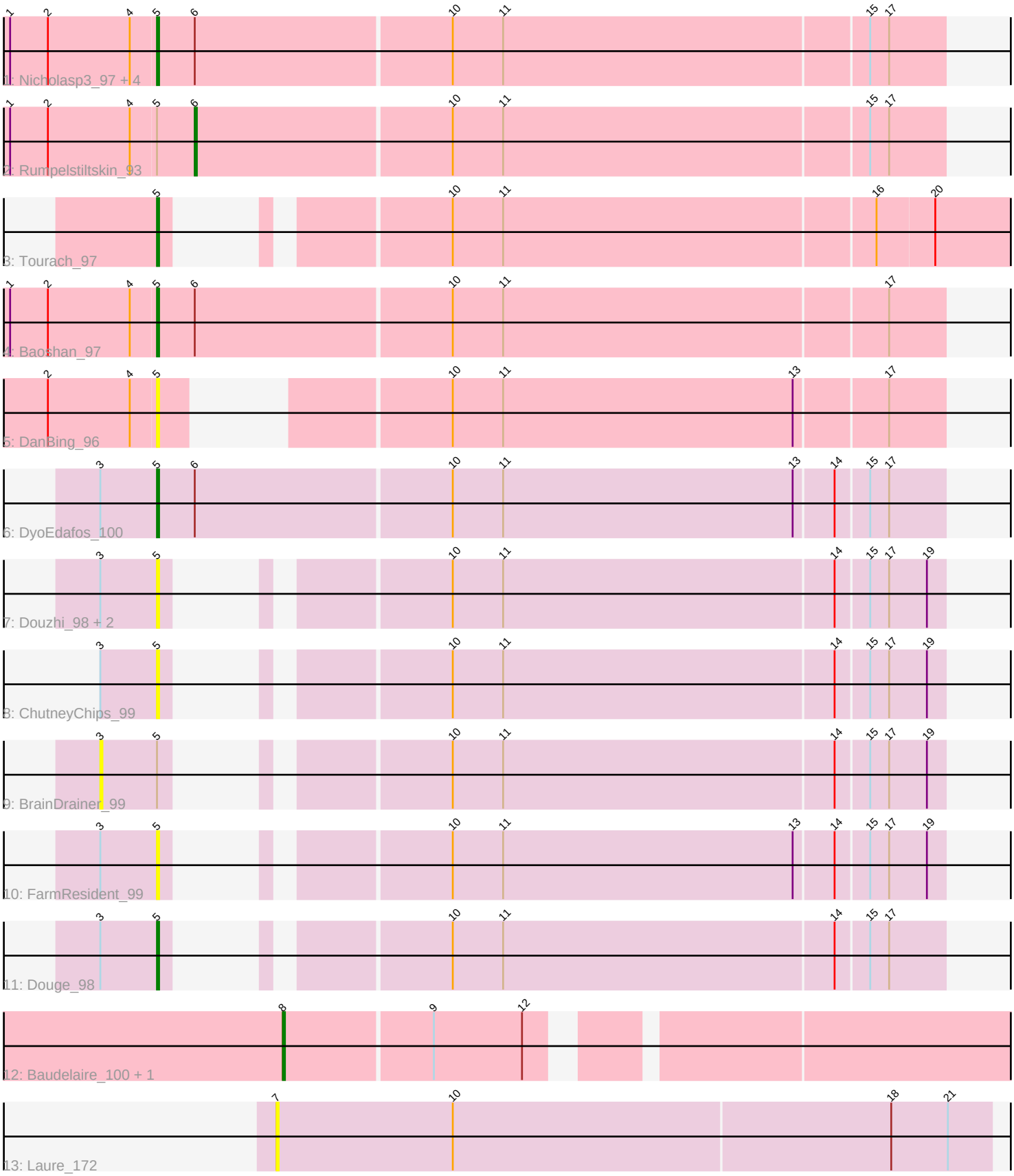
Pham 289787


1: Nicholasp3_97 +4
2: Rumpelstiltskin_93
3: Tourach_97
4: Baoshan_97
5: DanBing_96
6: DyoEdafos_100
7: Douzhi_98 + 2
8: ChutneyChips_99
9: BrainDrainer_99
10: FarmResident_99
11: Douge_98
12: Baudelaire_100 + 1
13: Laure_172

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 289787 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289787 has 20 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Nicholasp3_97, Gardann_97, Underpass_89, Finemlucis_98, Kahlid_96
• Track 2 : Rumpelstiltskin_93
• Track 3 : Tourach_97
• Track 4 : Baoshan_97
• Track 5 : DanBing_96
• Track 6 : DyoEdafos_100
• Track 7 : Douzhi_98, Quby_98, PYPDinur_98
• Track 8 : ChutneyChips_99
• Track 9 : BrainDrainer_99
• Track 10 : FarmResident_99
• Track 11 : Douge_98
• Track 12 : Baudelaire_100, Aegeus_100
• Track 13 : Laure_172

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

The start number called the most often in the published annotations is 5, it was called in 9 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Baoshan_97, ChutneyChips_99, DanBing_96, Douge_98, Douzhi_98, DyoEdafos_100, FarmResident_99, Finemlucis_98, Gardann_97, Kahlid_96, Nicholasp3_97, PYPDinur_98, Quby_98, Tourach_97, Underpass_89,

Genes that have the "Most Annotated" start but do not call it:
• BrainDrainer_99, Rumpelstiltskin_93,

Genes that do not have the "Most Annotated" start:
• Aegeus_100, Baudelaire_100, Laure_172,

Summary by start number:

Start 3:
• Found in 8 of 20 (40.0%) of genes in pham

• No Manual Annotations of this start.
• Called 12.5% of time when present
• Phage (with cluster) where this start called: BrainDrainer_99 (L4),

Start 5:
• Found in 17 of 20 (85.0%) of genes in pham
• Manual Annotations of this start: 9 of 12
• Called 88.2% of time when present
• Phage (with cluster) where this start called: Baoshan_97 (L2), ChutneyChips_99 (L4), DanBing_96 (L2), Douge_98 (L4), Douzhi_98 (L4), DyoEdafos_100 (L4), FarmResident_99 (L4), Finemlucis_98 (L2), Gardann_97 (L2), Kahlid_96 (L2), Nicholasp3_97 (L2), PYPDinur_98 (L4), Quby_98 (L4), Tourach_97 (L2), Underpass_89 (L2),

Start 6:
• Found in 8 of 20 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Rumpelstiltskin_93 (L2),

Start 7:
• Found in 1 of 20 (5.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Laure_172 (UNK),

Start 8:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aegeus_100 (L5), Baudelaire_100 (L5),

Summary by clusters:

There are 4 clusters represented in this pham: UNK, L4, L5, L2,

Info for manual annotations of cluster L2:
•Start number 5 was manually annotated 7 times for cluster L2.
•Start number 6 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L4:
•Start number 5 was manually annotated 2 times for cluster L4.

Info for manual annotations of cluster L5:
•Start number 8 was manually annotated 2 times for cluster L5.

Gene Information:

Gene: Aegeus_100 Start: 60620, Stop: 60937, Start Num: 8
Candidate Starts for Aegeus_100:

(Start: 8 @60620 has 2 MA's), (9, 60689), (12, 60731),

Gene: Baoshan_97 Start: 60451, Stop: 60819, Start Num: 5
Candidate Starts for Baoshan_97:
(1, 60382), (2, 60400), (4, 60439), (Start: 5 @60451 has 9 MA's), (Start: 6 @60469 has 1 MA's), (10, 60589), (11, 60613), (17, 60793),

Gene: Baudelaire_100 Start: 60620, Stop: 60937, Start Num: 8
Candidate Starts for Baudelaire_100:
(Start: 8 @60620 has 2 MA's), (9, 60689), (12, 60731),

Gene: BrainDrainer_99 Start: 60245, Stop: 60586, Start Num: 3
Candidate Starts for BrainDrainer_99:
(3, 60245), (Start: 5 @60272 has 9 MA's), (10, 60356), (11, 60380), (14, 60536), (15, 60551), (17, 60560), (19, 60578),

Gene: ChutneyChips_99 Start: 60304, Stop: 60618, Start Num: 5
Candidate Starts for ChutneyChips_99:
(3, 60277), (Start: 5 @60304 has 9 MA's), (10, 60388), (11, 60412), (14, 60568), (15, 60583), (17, 60592), (19, 60610),

Gene: DanBing_96 Start: 60191, Stop: 60511, Start Num: 5
Candidate Starts for DanBing_96:
(2, 60140), (4, 60179), (Start: 5 @60191 has 9 MA's), (10, 60281), (11, 60305), (13, 60443), (17, 60485),

Gene: Douge_98 Start: 59692, Stop: 60006, Start Num: 5
Candidate Starts for Douge_98:
(3, 59665), (Start: 5 @59692 has 9 MA's), (10, 59776), (11, 59800), (14, 59956), (15, 59971), (17, 59980),

Gene: Douzhi_98 Start: 59961, Stop: 60275, Start Num: 5
Candidate Starts for Douzhi_98:
(3, 59934), (Start: 5 @59961 has 9 MA's), (10, 60045), (11, 60069), (14, 60225), (15, 60240), (17, 60249), (19, 60267),

Gene: DyoEdafos_100 Start: 60281, Stop: 60649, Start Num: 5
Candidate Starts for DyoEdafos_100:
(3, 60254), (Start: 5 @60281 has 9 MA's), (Start: 6 @60299 has 1 MA's), (10, 60419), (11, 60443), (13, 60581), (14, 60599), (15, 60614), (17, 60623),

Gene: FarmResident_99 Start: 59848, Stop: 60162, Start Num: 5
Candidate Starts for FarmResident_99:
(3, 59821), (Start: 5 @59848 has 9 MA's), (10, 59932), (11, 59956), (13, 60094), (14, 60112), (15, 60127), (17, 60136), (19, 60154),

Gene: Finemlucis_98 Start: 61312, Stop: 61680, Start Num: 5
Candidate Starts for Finemlucis_98:
(1, 61243), (2, 61261), (4, 61300), (Start: 5 @61312 has 9 MA's), (Start: 6 @61330 has 1 MA's), (10, 61450), (11, 61474), (15, 61645), (17, 61654),

Gene: Gardann_97 Start: 60045, Stop: 60413, Start Num: 5
Candidate Starts for Gardann_97:

(1, 59976), (2, 59994), (4, 60033), (Start: 5 @60045 has 9 MA's), (Start: 6 @60063 has 1 MA's), (10, 60183), (11, 60207), (15, 60378), (17, 60387),

Gene: Kahlid_96 Start: 59963, Stop: 60331, Start Num: 5
Candidate Starts for Kahlid_96:
(1, 59894), (2, 59912), (4, 59951), (Start: 5 @59963 has 9 MA's), (Start: 6 @59981 has 1 MA's), (10, 60101), (11, 60125), (15, 60296), (17, 60305),

Gene: Laure_172 Start: 105423, Stop: 105761, Start Num: 7
Candidate Starts for Laure_172:
(7, 105423), (10, 105507), (18, 105714), (21, 105741),

Gene: Nicholasp3_97 Start: 60045, Stop: 60413, Start Num: 5
Candidate Starts for Nicholasp3_97:
(1, 59976), (2, 59994), (4, 60033), (Start: 5 @60045 has 9 MA's), (Start: 6 @60063 has 1 MA's), (10, 60183), (11, 60207), (15, 60378), (17, 60387),

Gene: PYPDinur_98 Start: 60524, Stop: 60838, Start Num: 5
Candidate Starts for PYPDinur_98:
(3, 60497), (Start: 5 @60524 has 9 MA's), (10, 60608), (11, 60632), (14, 60788), (15, 60803), (17, 60812), (19, 60830),

Gene: Quby_98 Start: 59936, Stop: 60250, Start Num: 5
Candidate Starts for Quby_98:
(3, 59909), (Start: 5 @59936 has 9 MA's), (10, 60020), (11, 60044), (14, 60200), (15, 60215), (17, 60224), (19, 60242),

Gene: Rumpelstiltskin_93 Start: 59856, Stop: 60206, Start Num: 6
Candidate Starts for Rumpelstiltskin_93:
(1, 59769), (2, 59787), (4, 59826), (Start: 5 @59838 has 9 MA's), (Start: 6 @59856 has 1 MA's), (10, 59976), (11, 60000), (15, 60171), (17, 60180),

Gene: Tourach_97 Start: 60937, Stop: 61290, Start Num: 5
Candidate Starts for Tourach_97:
(Start: 5 @60937 has 9 MA's), (10, 61021), (11, 61045), (16, 61219), (20, 61246),

Gene: Underpass_89 Start: 55081, Stop: 55449, Start Num: 5
Candidate Starts for Underpass_89:
(1, 55012), (2, 55030), (4, 55069), (Start: 5 @55081 has 9 MA's), (Start: 6 @55099 has 1 MA's), (10, 55219), (11, 55243), (15, 55414), (17, 55423),