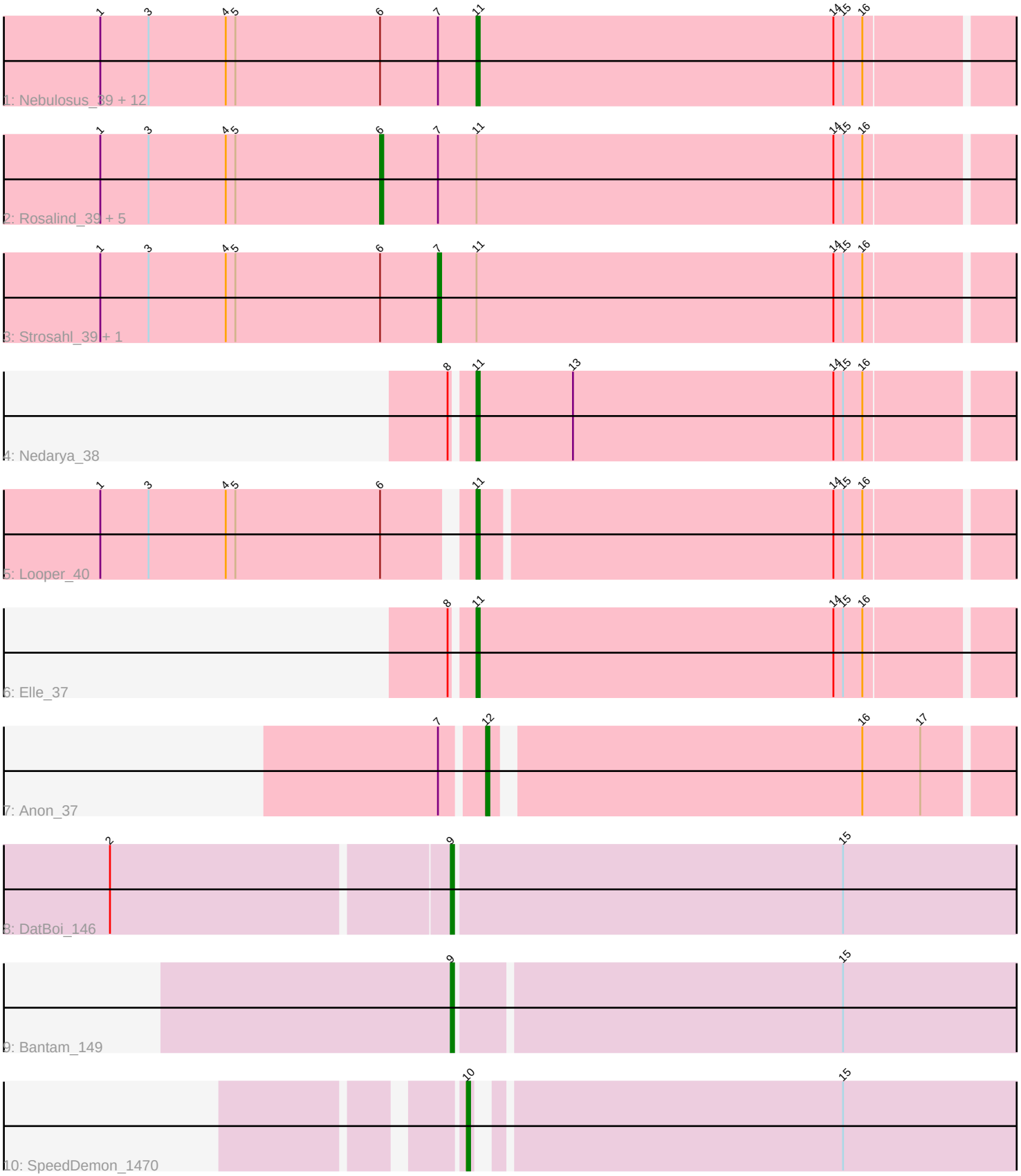
Pham 346044


1
3
4
5
6
7
11
14
15
16
1: Nebulosus_39 + 12
2: Rosalind_39 + 5
3: Strosahl_39 + 1
8
13
4: Nedarya_38
5: Looper_40
6: Elle_37
12
17
7: Anon_37
2
9
8: DatBoi_146
9: Bantam_149
10
10: SpeedDemon_1470

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 346044 Report

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

Pham number 346044 has 28 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Nebulosus_39, Anaysia_39, Epsocamisio_39, JSwag_39, LastResort_39, Oofda_39, ReMo_39, Ravana_39, Switzerland_39, Boohoo_39, ShayRa_40, Warrior24_39, Battleship_40
• Track 2 : Rosalind_39, DekHockey33_39, KatherineG_39, Waits_39, MinecraftSteve_40, Soups_39
• Track 3 : Strosahl_39, Remus_39
• Track 4 : Nedarya_38
• Track 5 : Looper_40
• Track 6 : Elle_37
• Track 7 : Anon_37
• Track 8 : DatBoi_146
• Track 9 : Bantam_149
• Track 10 : SpeedDemon_1470

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

The start number called the most often in the published annotations is 11, it was called in 16 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anaysia_39, Battleship_40, Boohoo_39, Elle_37, Epsocamisio_39, JSwag_39, LastResort_39, Looper_40, Nebulosus_39, Nedarya_38, Oofda_39, Ravana_39, ReMo_39, ShayRa_40, Switzerland_39, Warrior24_39,

Genes that have the "Most Annotated" start but do not call it:
• DekHockey33_39, KatherineG_39, MinecraftSteve_40, Remus_39, Rosalind_39, Soups_39, Strosahl_39, Waits_39,

Genes that do not have the "Most Annotated" start:
• Anon_37, Bantam_149, DatBoi_146, SpeedDemon_1470,

Summary by start number:

Start 6:

• Found in 22 of 28 (78.6%) of genes in pham
• Manual Annotations of this start: 6 of 28
• Called 27.3% of time when present
• Phage (with cluster) where this start called: DekHockey33_39 (A15), KatherineG_39 (A15), MinecraftSteve_40 (A15), Rosalind_39 (A15), Soups_39 (A15), Waits_39 (A15),

Start 7:
• Found in 22 of 28 (78.6%) of genes in pham
• Manual Annotations of this start: 2 of 28
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Remus_39 (A15), Strosahl_39 (A15),

Start 9:
• Found in 2 of 28 (7.1%) of genes in pham
• Manual Annotations of this start: 2 of 28
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bantam_149 (DL), DatBoi_146 (DL),

Start 10:
• Found in 1 of 28 (3.6%) of genes in pham
• Manual Annotations of this start: 1 of 28
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SpeedDemon_1470 (DL),

Start 11:
• Found in 24 of 28 (85.7%) of genes in pham
• Manual Annotations of this start: 16 of 28
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Anaysia_39 (A15), Battleship_40 (A15), Boohoo_39 (A15), Elle_37 (A15), Epsocamisio_39 (A15), JSwag_39 (A15), LastResort_39 (A15), Looper_40 (A15), Nebulosus_39 (A15), Nedarya_38 (A15), Oofda_39 (A15), Ravana_39 (A15), ReMo_39 (A15), ShayRa_40 (A15), Switzerland_39 (A15), Warrior24_39 (A15),

Start 12:
• Found in 1 of 28 (3.6%) of genes in pham
• Manual Annotations of this start: 1 of 28
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anon_37 (A15),

Summary by clusters:

There are 2 clusters represented in this pham: A15, DL,

Info for manual annotations of cluster A15:
•Start number 6 was manually annotated 6 times for cluster A15.
•Start number 7 was manually annotated 2 times for cluster A15.
•Start number 11 was manually annotated 16 times for cluster A15.
•Start number 12 was manually annotated 1 time for cluster A15.

Info for manual annotations of cluster DL:
•Start number 9 was manually annotated 2 times for cluster DL.

•Start number 10 was manually annotated 1 time for cluster DL.

Gene Information:

Gene: Anaysia_39 Start: 25843, Stop: 26025, Start Num: 11
Candidate Starts for Anaysia_39:
(1, 25726), (3, 25741), (4, 25765), (5, 25768), (Start: 6 @25813 has 6 MA's), (Start: 7 @25831 has 2 MA's), (Start: 11 @25843 has 16 MA's), (14, 25954), (15, 25957), (16, 25963),

Gene: Anon_37 Start: 25802, Stop: 25969, Start Num: 12
Candidate Starts for Anon_37:
(Start: 7 @25790 has 2 MA's), (Start: 12 @25802 has 1 MA's), (16, 25913), (17, 25931),

Gene: Bantam_149 Start: 84735, Stop: 84553, Start Num: 9
Candidate Starts for Bantam_149:
(Start: 9 @84735 has 2 MA's), (15, 84618),

Gene: Battleship_40 Start: 25955, Stop: 26137, Start Num: 11
Candidate Starts for Battleship_40:
(1, 25838), (3, 25853), (4, 25877), (5, 25880), (Start: 6 @25925 has 6 MA's), (Start: 7 @25943 has 2 MA's), (Start: 11 @25955 has 16 MA's), (14, 26066), (15, 26069), (16, 26075),

Gene: Boohoo_39 Start: 25843, Stop: 26025, Start Num: 11
Candidate Starts for Boohoo_39:
(1, 25726), (3, 25741), (4, 25765), (5, 25768), (Start: 6 @25813 has 6 MA's), (Start: 7 @25831 has 2 MA's), (Start: 11 @25843 has 16 MA's), (14, 25954), (15, 25957), (16, 25963),

Gene: DatBoi_146 Start: 83784, Stop: 83599, Start Num: 9
Candidate Starts for DatBoi_146:
(2, 83886), (Start: 9 @83784 has 2 MA's), (15, 83664),

Gene: DekHockey33_39 Start: 25932, Stop: 26144, Start Num: 6
Candidate Starts for DekHockey33_39:
(1, 25845), (3, 25860), (4, 25884), (5, 25887), (Start: 6 @25932 has 6 MA's), (Start: 7 @25950 has 2 MA's), (Start: 11 @25962 has 16 MA's), (14, 26073), (15, 26076), (16, 26082),

Gene: Elle_37 Start: 25083, Stop: 25265, Start Num: 11
Candidate Starts for Elle_37:
(8, 25077), (Start: 11 @25083 has 16 MA's), (14, 25194), (15, 25197), (16, 25203),

Gene: Epsocamisio_39 Start: 25841, Stop: 26023, Start Num: 11
Candidate Starts for Epsocamisio_39:
(1, 25724), (3, 25739), (4, 25763), (5, 25766), (Start: 6 @25811 has 6 MA's), (Start: 7 @25829 has 2 MA's), (Start: 11 @25841 has 16 MA's), (14, 25952), (15, 25955), (16, 25961),

Gene: JSwag_39 Start: 25826, Stop: 26008, Start Num: 11
Candidate Starts for JSwag_39:
(1, 25709), (3, 25724), (4, 25748), (5, 25751), (Start: 6 @25796 has 6 MA's), (Start: 7 @25814 has 2 MA's), (Start: 11 @25826 has 16 MA's), (14, 25937), (15, 25940), (16, 25946),

Gene: KatherineG_39 Start: 25932, Stop: 26144, Start Num: 6

Candidate Starts for KatherineG_39:
(1, 25845), (3, 25860), (4, 25884), (5, 25887), (Start: 6 @25932 has 6 MA's), (Start: 7 @25950 has 2 MA's), (Start: 11 @25962 has 16 MA's), (14, 26073), (15, 26076), (16, 26082),

Gene: LastResort_39 Start: 25843, Stop: 26010, Start Num: 11
Candidate Starts for LastResort_39:
(1, 25726), (3, 25741), (4, 25765), (5, 25768), (Start: 6 @25813 has 6 MA's), (Start: 7 @25831 has 2 MA's), (Start: 11 @25843 has 16 MA's), (14, 25954), (15, 25957), (16, 25963),

Gene: Looper_40 Start: 25834, Stop: 26013, Start Num: 11
Candidate Starts for Looper_40:
(1, 25723), (3, 25738), (4, 25762), (5, 25765), (Start: 6 @25810 has 6 MA's), (Start: 11 @25834 has 16 MA's), (14, 25942), (15, 25945), (16, 25951),

Gene: MinecraftSteve_40 Start: 25932, Stop: 26144, Start Num: 6
Candidate Starts for MinecraftSteve_40:
(1, 25845), (3, 25860), (4, 25884), (5, 25887), (Start: 6 @25932 has 6 MA's), (Start: 7 @25950 has 2 MA's), (Start: 11 @25962 has 16 MA's), (14, 26073), (15, 26076), (16, 26082),

Gene: Nebulosus_39 Start: 25840, Stop: 26022, Start Num: 11
Candidate Starts for Nebulosus_39:
(1, 25723), (3, 25738), (4, 25762), (5, 25765), (Start: 6 @25810 has 6 MA's), (Start: 7 @25828 has 2 MA's), (Start: 11 @25840 has 16 MA's), (14, 25951), (15, 25954), (16, 25960),

Gene: Nedarya_38 Start: 26403, Stop: 26585, Start Num: 11
Candidate Starts for Nedarya_38:
(8, 26397), (Start: 11 @26403 has 16 MA's), (13, 26433), (14, 26514), (15, 26517), (16, 26523),

Gene: Oofda_39 Start: 25814, Stop: 25996, Start Num: 11
Candidate Starts for Oofda_39:
(1, 25697), (3, 25712), (4, 25736), (5, 25739), (Start: 6 @25784 has 6 MA's), (Start: 7 @25802 has 2 MA's), (Start: 11 @25814 has 16 MA's), (14, 25925), (15, 25928), (16, 25934),

Gene: Ravana_39 Start: 25804, Stop: 25986, Start Num: 11
Candidate Starts for Ravana_39:
(1, 25687), (3, 25702), (4, 25726), (5, 25729), (Start: 6 @25774 has 6 MA's), (Start: 7 @25792 has 2 MA's), (Start: 11 @25804 has 16 MA's), (14, 25915), (15, 25918), (16, 25924),

Gene: ReMo_39 Start: 25840, Stop: 26007, Start Num: 11
Candidate Starts for ReMo_39:
(1, 25723), (3, 25738), (4, 25762), (5, 25765), (Start: 6 @25810 has 6 MA's), (Start: 7 @25828 has 2 MA's), (Start: 11 @25840 has 16 MA's), (14, 25951), (15, 25954), (16, 25960),

Gene: Remus_39 Start: 25792, Stop: 25986, Start Num: 7
Candidate Starts for Remus_39:
(1, 25687), (3, 25702), (4, 25726), (5, 25729), (Start: 6 @25774 has 6 MA's), (Start: 7 @25792 has 2 MA's), (Start: 11 @25804 has 16 MA's), (14, 25915), (15, 25918), (16, 25924),

Gene: Rosalind_39 Start: 25932, Stop: 26144, Start Num: 6
Candidate Starts for Rosalind_39:
(1, 25845), (3, 25860), (4, 25884), (5, 25887), (Start: 6 @25932 has 6 MA's), (Start: 7 @25950 has 2 MA's), (Start: 11 @25962 has 16 MA's), (14, 26073), (15, 26076), (16, 26082),

Gene: ShayRa_40 Start: 25962, Stop: 26144, Start Num: 11
Candidate Starts for ShayRa_40:
(1, 25845), (3, 25860), (4, 25884), (5, 25887), (Start: 6 @25932 has 6 MA's), (Start: 7 @25950 has 2 MA's), (Start: 11 @25962 has 16 MA's), (14, 26073), (15, 26076), (16, 26082),

Gene: Soups_39 Start: 25932, Stop: 26144, Start Num: 6
Candidate Starts for Soups_39:
(1, 25845), (3, 25860), (4, 25884), (5, 25887), (Start: 6 @25932 has 6 MA's), (Start: 7 @25950 has 2 MA's), (Start: 11 @25962 has 16 MA's), (14, 26073), (15, 26076), (16, 26082),

Gene: SpeedDemon_1470 Start: 86117, Stop: 85944, Start Num: 10
Candidate Starts for SpeedDemon_1470:
(Start: 10 @86117 has 1 MA's), (15, 86009),

Gene: Strosahl_39 Start: 25792, Stop: 25986, Start Num: 7
Candidate Starts for Strosahl_39:
(1, 25687), (3, 25702), (4, 25726), (5, 25729), (Start: 6 @25774 has 6 MA's), (Start: 7 @25792 has 2 MA's), (Start: 11 @25804 has 16 MA's), (14, 25915), (15, 25918), (16, 25924),

Gene: Switzerland_39 Start: 25956, Stop: 26138, Start Num: 11
Candidate Starts for Switzerland_39:
(1, 25839), (3, 25854), (4, 25878), (5, 25881), (Start: 6 @25926 has 6 MA's), (Start: 7 @25944 has 2 MA's), (Start: 11 @25956 has 16 MA's), (14, 26067), (15, 26070), (16, 26076),

Gene: Waits_39 Start: 25780, Stop: 25992, Start Num: 6
Candidate Starts for Waits_39:
(1, 25693), (3, 25708), (4, 25732), (5, 25735), (Start: 6 @25780 has 6 MA's), (Start: 7 @25798 has 2 MA's), (Start: 11 @25810 has 16 MA's), (14, 25921), (15, 25924), (16, 25930),

Gene: Warrior24_39 Start: 25802, Stop: 25984, Start Num: 11
Candidate Starts for Warrior24_39:
(1, 25685), (3, 25700), (4, 25724), (5, 25727), (Start: 6 @25772 has 6 MA's), (Start: 7 @25790 has 2 MA's), (Start: 11 @25802 has 16 MA's), (14, 25913), (15, 25916), (16, 25922),