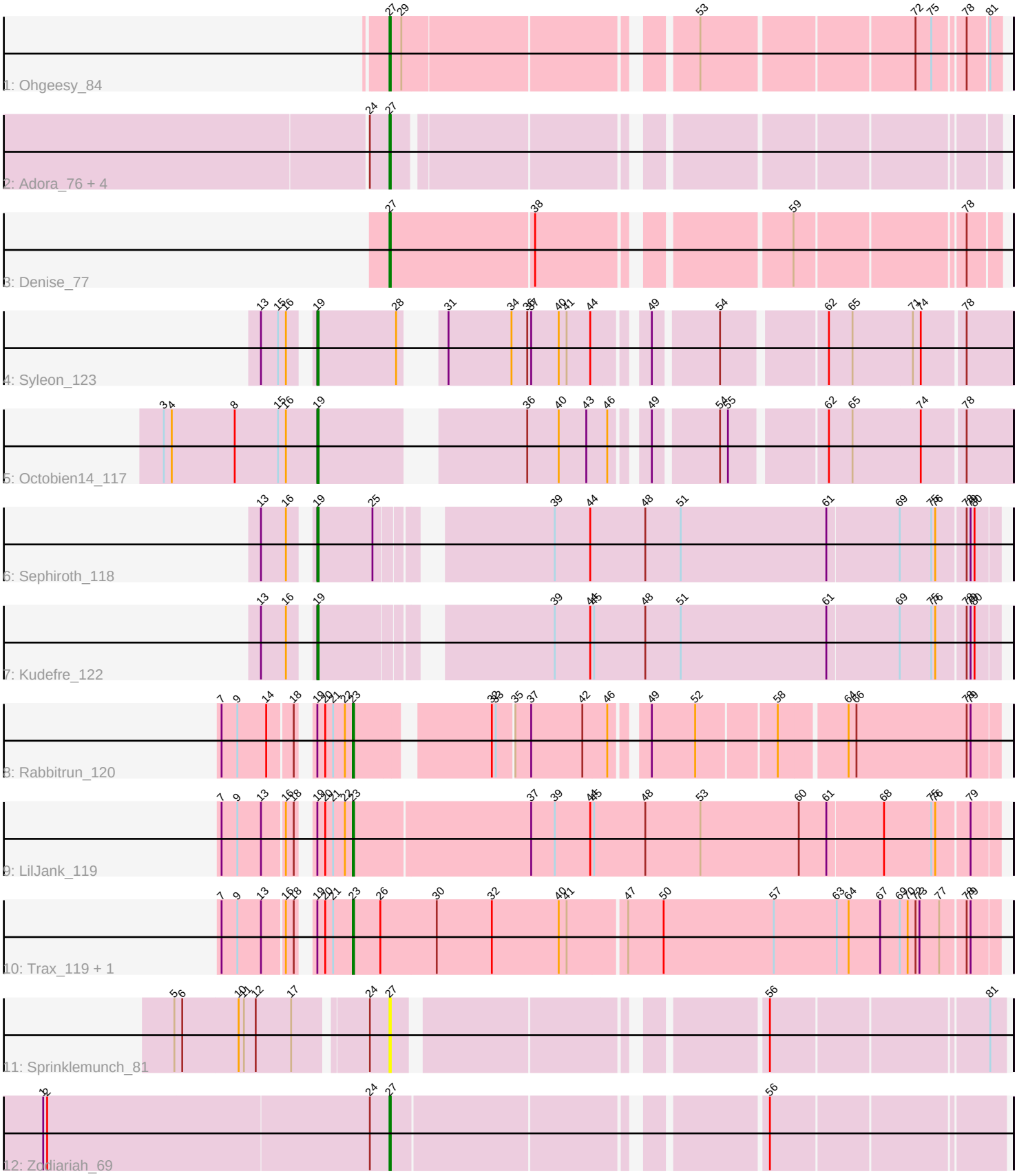
Pham 344483


1: Ohgeesy_84
2: Adora_76 + 4
3: Denise_77
4: Syleon_123
5: Octobien14_117
6: Sephiroth_118
7: Kudefre_122
8: Rabbitrun_120
9: LilJank_119
10: Trax_119 + 1
11: Sprinklemunch_81
12: Zodiariah_69

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 344483 Report

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

Pham number 344483 has 17 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Ohgeesy_84
• Track 2 : Adora_76, Hortense_79, Twinkle_78, Howe_79, Shlim410_77
• Track 3 : Denise_77
• Track 4 : Syleon_123
• Track 5 : Octobien14_117
• Track 6 : Sephiroth_118
• Track 7 : Kudefre_122
• Track 8 : Rabbitrun_120
• Track 9 : LilJank_119
• Track 10 : Trax_119, Neville_118
• Track 11 : Sprinklemunch_81
• Track 12 : Zodiariah_69

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

The start number called the most often in the published annotations is 27, it was called in 8 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adora_76, Denise_77, Hortense_79, Howe_79, Ohgeesy_84, Shlim410_77, Sprinklemunch_81, Twinkle_78, Zodiariah_69,

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

Genes that do not have the "Most Annotated" start:
• Kudefre_122, LilJank_119, Neville_118, Octobien14_117, Rabbitrun_120, Sephiroth_118, Syleon_123, Trax_119,

Summary by start number:

Start 19:
• Found in 8 of 17 (47.1%) of genes in pham
• Manual Annotations of this start: 4 of 16

• Called 50.0% of time when present
• Phage (with cluster) where this start called: Kudefre_122 (DU1), Octobien14_117 (DU1), Sephiroth_118 (DU1), Syleon_123 (DU1),

Start 23:
• Found in 4 of 17 (23.5%) of genes in pham
• Manual Annotations of this start: 4 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LilJank_119 (DU2), Neville_118 (DU2), Rabbitrun_120 (DU2), Trax_119 (DU2),

Start 27:
• Found in 9 of 17 (52.9%) of genes in pham
• Manual Annotations of this start: 8 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adora_76 (CZ4), Denise_77 (CZ5), Hortense_79 (CZ4), Howe_79 (CZ4), Ohgeesy_84 (CZ), Shlim410_77 (CZ4), Sprinklemunch_81 (DW), Twinkle_78 (CZ4), Zodiariah_69 (DW),

Summary by clusters:

There are 6 clusters represented in this pham: CZ4, CZ5, CZ, DW, DU1, DU2,

Info for manual annotations of cluster CZ:
•Start number 27 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ4:
•Start number 27 was manually annotated 5 times for cluster CZ4.

Info for manual annotations of cluster CZ5:
•Start number 27 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster DU1:
•Start number 19 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 23 was manually annotated 4 times for cluster DU2.

Info for manual annotations of cluster DW:
•Start number 27 was manually annotated 1 time for cluster DW.

Gene Information:

Gene: Adora_76 Start: 50971, Stop: 51381, Start Num: 27
Candidate Starts for Adora_76:
(24, 50956), (Start: 27 @50971 has 8 MA's),

Gene: Denise_77 Start: 44257, Stop: 44676, Start Num: 27
Candidate Starts for Denise_77:
(Start: 27 @44257 has 8 MA's), (38, 44365), (59, 44533), (78, 44653),

Gene: Hortense_79 Start: 52326, Stop: 52736, Start Num: 27
Candidate Starts for Hortense_79:
(24, 52311), (Start: 27 @52326 has 8 MA's),

Gene: Howe_79 Start: 52326, Stop: 52736, Start Num: 27
Candidate Starts for Howe_79:
(24, 52311), (Start: 27 @52326 has 8 MA's),

Gene: Kudefre_122 Start: 66192, Stop: 66677, Start Num: 19
Candidate Starts for Kudefre_122:
(13, 66162), (16, 66180), (Start: 19 @66192 has 4 MA's), (39, 66345), (44, 66372), (45, 66375), (48, 66414), (51, 66441), (61, 66552), (69, 66606), (75, 66630), (76, 66633), (78, 66654), (79, 66657), (80, 66660),

Gene: LilJank_119 Start: 68049, Stop: 68531, Start Num: 23
Candidate Starts for LilJank_119:
(7, 67965), (9, 67977), (13, 67995), (16, 68010), (18, 68016), (Start: 19 @68022 has 4 MA's), (20, 68028), (21, 68034), (22, 68043), (Start: 23 @68049 has 4 MA's), (37, 68181), (39, 68199), (44, 68226), (45, 68229), (48, 68268), (53, 68310), (60, 68385), (61, 68406), (68, 68448), (75, 68484), (76, 68487), (79, 68511),

Gene: Neville_118 Start: 66844, Stop: 67326, Start Num: 23
Candidate Starts for Neville_118:
(7, 66760), (9, 66772), (13, 66790), (16, 66805), (18, 66811), (Start: 19 @66817 has 4 MA's), (20, 66823), (21, 66829), (Start: 23 @66844 has 4 MA's), (26, 66865), (30, 66907), (32, 66949), (40, 67000), (41, 67006), (47, 67048), (50, 67075), (57, 67159), (63, 67207), (64, 67216), (67, 67240), (69, 67255), (70, 67261), (72, 67267), (73, 67270), (77, 67285), (78, 67303), (79, 67306),

Gene: Octobien14_117 Start: 64715, Stop: 65179, Start Num: 19
Candidate Starts for Octobien14_117:
(3, 64598), (4, 64604), (8, 64652), (15, 64685), (16, 64691), (Start: 19 @64715 has 4 MA's), (36, 64847), (40, 64871), (43, 64892), (46, 64907), (49, 64928), (54, 64973), (55, 64979), (62, 65045), (65, 65063), (74, 65114), (78, 65144),

Gene: Ohgeesy_84 Start: 52600, Stop: 53016, Start Num: 27
Candidate Starts for Ohgeesy_84:
(Start: 27 @52600 has 8 MA's), (29, 52609), (53, 52807), (72, 52960), (75, 52972), (78, 52993), (81, 53008),

Gene: Rabbitrun_120 Start: 67985, Stop: 68431, Start Num: 23
Candidate Starts for Rabbitrun_120:
(7, 67901), (9, 67913), (14, 67934), (18, 67952), (Start: 19 @67958 has 4 MA's), (20, 67964), (21, 67970), (22, 67979), (Start: 23 @67985 has 4 MA's), (32, 68075), (33, 68078), (35, 68090), (37, 68102), (42, 68141), (46, 68159), (49, 68180), (52, 68213), (58, 68270), (64, 68318), (66, 68324), (78, 68408), (79, 68411),

Gene: Sephiroth_118 Start: 65947, Stop: 66432, Start Num: 19
Candidate Starts for Sephiroth_118:
(13, 65917), (16, 65935), (Start: 19 @65947 has 4 MA's), (25, 65989), (39, 66100), (44, 66127), (48, 66169), (51, 66196), (61, 66307), (69, 66361), (75, 66385), (76, 66388), (78, 66409), (79, 66412), (80, 66415),

Gene: Shlim410_77 Start: 52326, Stop: 52736, Start Num: 27

Candidate Starts for Shlim410_77:
(24, 52311), (Start: 27 @52326 has 8 MA's),

Gene: Sprinklemunch_81 Start: 50969, Stop: 51382, Start Num: 27
Candidate Starts for Sprinklemunch_81:
(5, 50819), (6, 50825), (10, 50867), (11, 50870), (12, 50879), (17, 50906), (24, 50954), (Start: 27 @50969 has 8 MA's), (56, 51215), (81, 51371),

Gene: Syleon_123 Start: 66729, Stop: 67193, Start Num: 19
Candidate Starts for Syleon_123:
(13, 66699), (15, 66711), (16, 66717), (Start: 19 @66729 has 4 MA's), (28, 66789), (31, 66801), (34, 66849), (36, 66861), (37, 66864), (40, 66885), (41, 66891), (44, 66909), (49, 66942), (54, 66987), (62, 67059), (65, 67077), (71, 67122), (74, 67128), (78, 67158),

Gene: Trax_119 Start: 67664, Stop: 68146, Start Num: 23
Candidate Starts for Trax_119:
(7, 67580), (9, 67592), (13, 67610), (16, 67625), (18, 67631), (Start: 19 @67637 has 4 MA's), (20, 67643), (21, 67649), (Start: 23 @67664 has 4 MA's), (26, 67685), (30, 67727), (32, 67769), (40, 67820), (41, 67826), (47, 67868), (50, 67895), (57, 67979), (63, 68027), (64, 68036), (67, 68060), (69, 68075), (70, 68081), (72, 68087), (73, 68090), (77, 68105), (78, 68123), (79, 68126),

Gene: Twinkle_78 Start: 53385, Stop: 53795, Start Num: 27
Candidate Starts for Twinkle_78:
(24, 53370), (Start: 27 @53385 has 8 MA's),

Gene: Zodiariah_69 Start: 50344, Stop: 50766, Start Num: 27
Candidate Starts for Zodiariah_69:
(1, 50083), (2, 50086), (24, 50329), (Start: 27 @50344 has 8 MA's), (56, 50599),