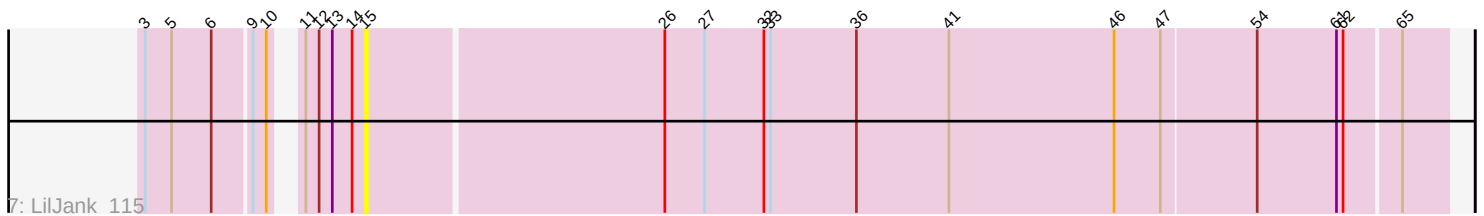
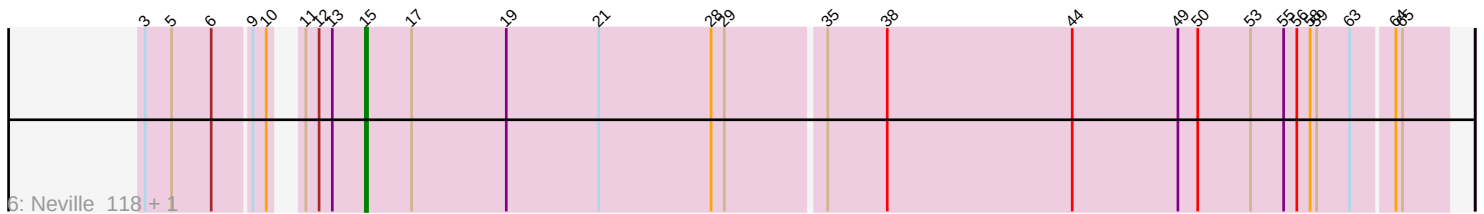
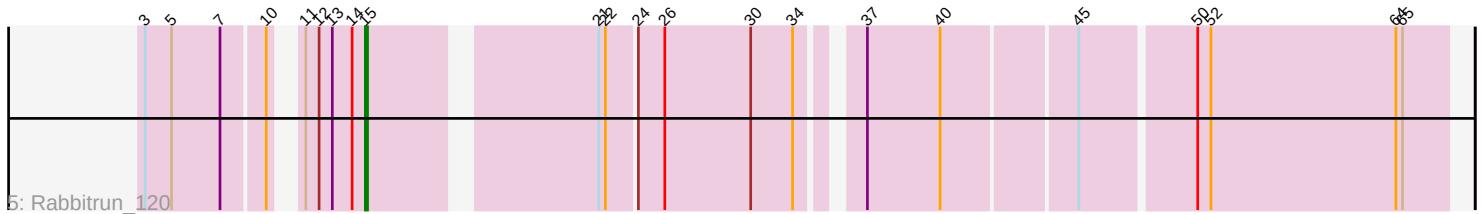
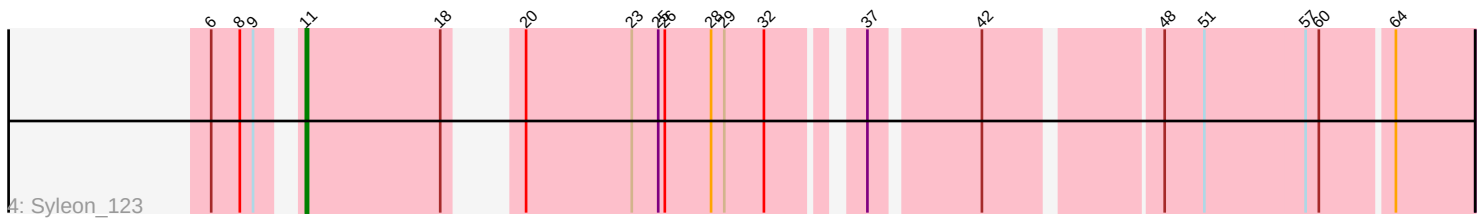
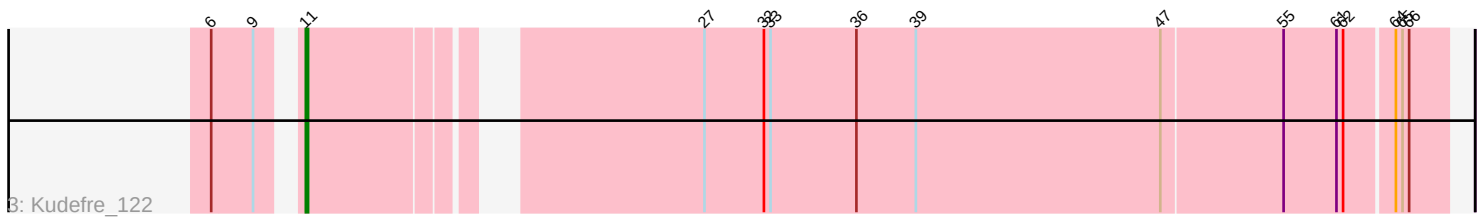
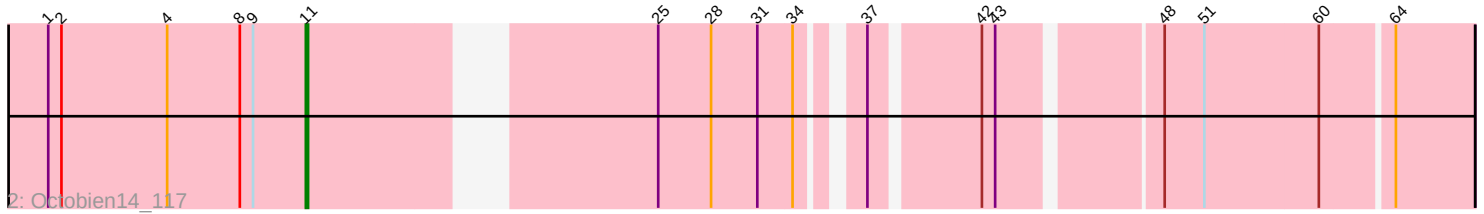
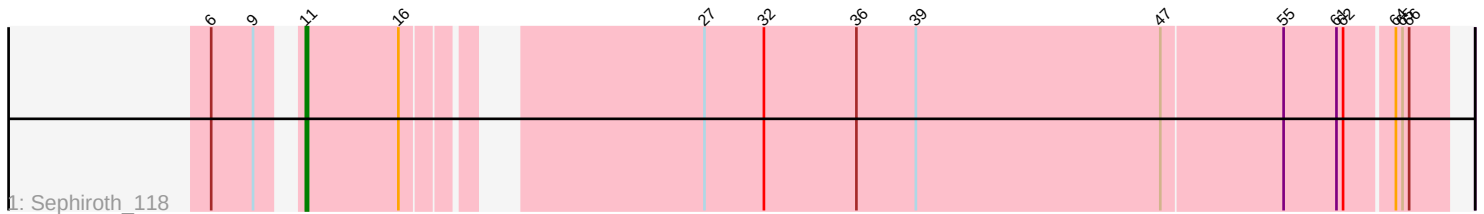


Pham 258113



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 258113 Report

This analysis was run 02/07/26 on database version 634.

Pham number 258113 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Sephiroth_118
- Track 2 : Octobien14_117
- Track 3 : Kudefre_122
- Track 4 : Syleon_123
- Track 5 : Rabbitrun_120
- Track 6 : Neville_118, Trax_119
- Track 7 : LilJank_115

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Kudefre_122, Octobien14_117, Sephiroth_118, Syleon_123,

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

- LilJank_115, Neville_118, Rabbitrun_120, Trax_119,

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

•

Summary by start number:

Start 11:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 7
- 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 15:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 3 of 7

- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilJank_115 (DU2), Neville_118 (DU2), Rabbitrun_120 (DU2), Trax_119 (DU2),

Summary by clusters:

There are 2 clusters represented in this pham: DU1, DU2,

Info for manual annotations of cluster DU1:

- Start number 11 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 15 was manually annotated 3 times for cluster DU2.

Gene Information:

Gene: Kudfre_122 Start: 66192, Stop: 66677, Start Num: 11

Candidate Starts for Kudfre_122:

(6, 66162), (9, 66180), (Start: 11 @66192 has 4 MA's), (27, 66345), (32, 66372), (33, 66375), (36, 66414), (39, 66441), (47, 66552), (55, 66606), (61, 66630), (62, 66633), (64, 66654), (65, 66657), (66, 66660),

Gene: LilJank_115 Start: 68049, Stop: 68531, Start Num: 15

Candidate Starts for LilJank_115:

(3, 67965), (5, 67977), (6, 67995), (9, 68010), (10, 68016), (Start: 11 @68022 has 4 MA's), (12, 68028), (13, 68034), (14, 68043), (Start: 15 @68049 has 3 MA's), (26, 68181), (27, 68199), (32, 68226), (33, 68229), (36, 68268), (41, 68310), (46, 68385), (47, 68406), (54, 68448), (61, 68484), (62, 68487), (65, 68511),

Gene: Neville_118 Start: 66844, Stop: 67326, Start Num: 15

Candidate Starts for Neville_118:

(3, 66760), (5, 66772), (6, 66790), (9, 66805), (10, 66811), (Start: 11 @66817 has 4 MA's), (12, 66823), (13, 66829), (Start: 15 @66844 has 3 MA's), (17, 66865), (19, 66907), (21, 66949), (28, 67000), (29, 67006), (35, 67048), (38, 67075), (44, 67159), (49, 67207), (50, 67216), (53, 67240), (55, 67255), (56, 67261), (58, 67267), (59, 67270), (63, 67285), (64, 67303), (65, 67306),

Gene: Octobien14_117 Start: 64715, Stop: 65179, Start Num: 11

Candidate Starts for Octobien14_117:

(1, 64598), (2, 64604), (4, 64652), (8, 64685), (9, 64691), (Start: 11 @64715 has 4 MA's), (25, 64847), (28, 64871), (31, 64892), (34, 64907), (37, 64928), (42, 64973), (43, 64979), (48, 65045), (51, 65063), (60, 65114), (64, 65144),

Gene: Rabbitrun_120 Start: 67985, Stop: 68431, Start Num: 15

Candidate Starts for Rabbitrun_120:

(3, 67901), (5, 67913), (7, 67934), (10, 67952), (Start: 11 @67958 has 4 MA's), (12, 67964), (13, 67970), (14, 67979), (Start: 15 @67985 has 3 MA's), (21, 68075), (22, 68078), (24, 68090), (26, 68102), (30, 68141), (34, 68159), (37, 68180), (40, 68213), (45, 68270), (50, 68318), (52, 68324), (64, 68408), (65, 68411),

Gene: Sephiroth_118 Start: 65947, Stop: 66432, Start Num: 11

Candidate Starts for Sephiroth_118:

(6, 65917), (9, 65935), (Start: 11 @65947 has 4 MA's), (16, 65989), (27, 66100), (32, 66127), (36, 66169), (39, 66196), (47, 66307), (55, 66361), (61, 66385), (62, 66388), (64, 66409), (65, 66412), (66, 66415),

Gene: Syleon_123 Start: 66729, Stop: 67193, Start Num: 11

Candidate Starts for Syleon_123:

(6, 66699), (8, 66711), (9, 66717), (Start: 11 @66729 has 4 MA's), (18, 66789), (20, 66801), (23, 66849), (25, 66861), (26, 66864), (28, 66885), (29, 66891), (32, 66909), (37, 66942), (42, 66987), (48, 67059), (51, 67077), (57, 67122), (60, 67128), (64, 67158),

Gene: Trax_119 Start: 67664, Stop: 68146, Start Num: 15

Candidate Starts for Trax_119:

(3, 67580), (5, 67592), (6, 67610), (9, 67625), (10, 67631), (Start: 11 @67637 has 4 MA's), (12, 67643), (13, 67649), (Start: 15 @67664 has 3 MA's), (17, 67685), (19, 67727), (21, 67769), (28, 67820), (29, 67826), (35, 67868), (38, 67895), (44, 67979), (49, 68027), (50, 68036), (53, 68060), (55, 68075), (56, 68081), (58, 68087), (59, 68090), (63, 68105), (64, 68123), (65, 68126),