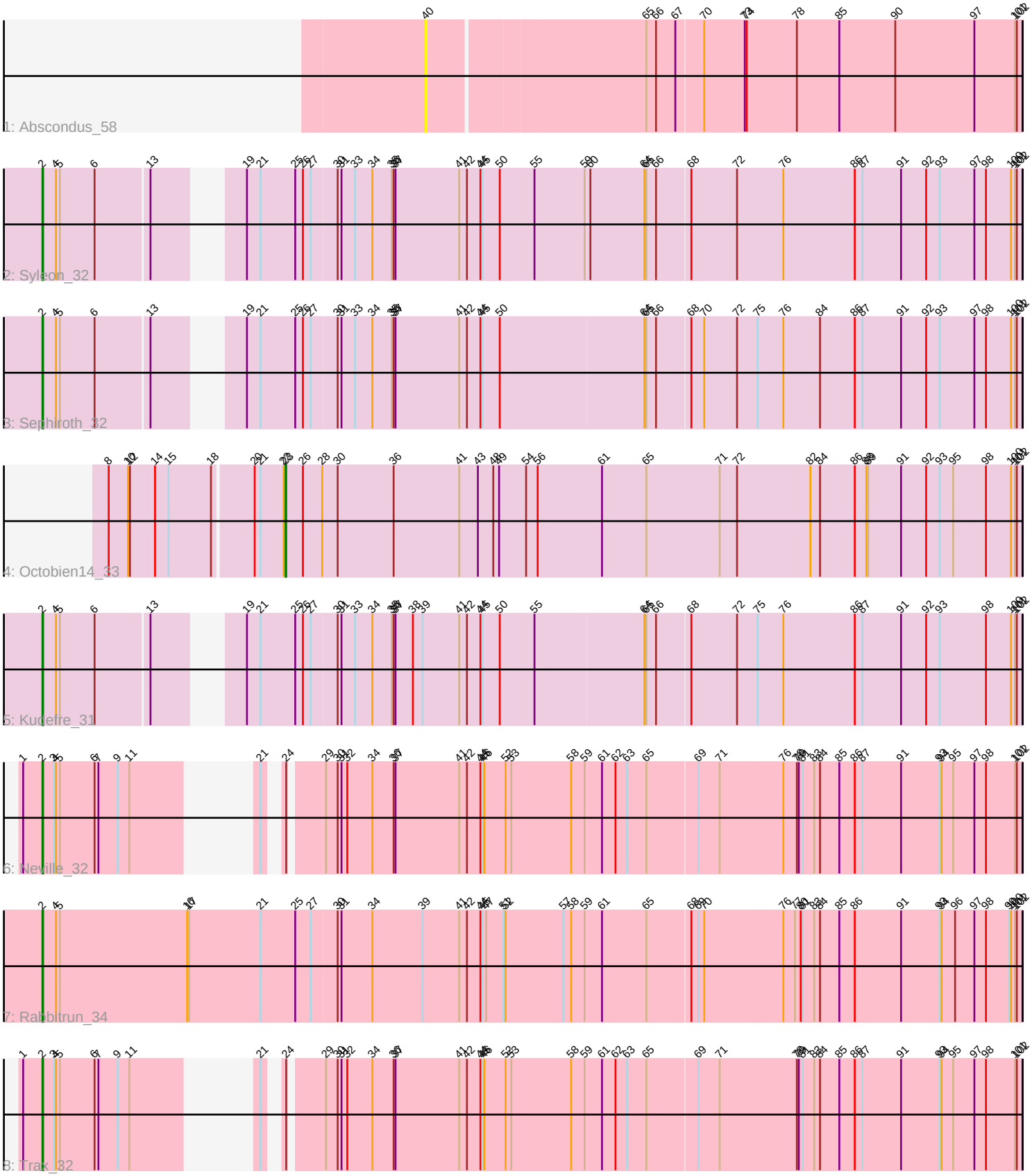
Pham 200921


1: Abscondus_58
2: Sylecin_32
3: Sephiroth_32
4: Octobien14_33
5: Kudefre_31
6: Neville_32
7: Rabbitrun_34
8: Trax_32

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 200921 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200921 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Abscondus_58
• Track 2 : Syleon_32
• Track 3 : Sephiroth_32
• Track 4 : Octobien14_33
• Track 5 : Kudefre_31
• Track 6 : Neville_32
• Track 7 : Rabbitrun_34
• Track 8 : Trax_32

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

The start number called the most often in the published annotations is 2, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Kudefre_31, Neville_32, Rabbitrun_34, Sephiroth_32, Syleon_32, Trax_32,

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

Genes that do not have the "Most Annotated" start:
• Abscondus_58, Octobien14_33,

Summary by start number:

Start 2:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kudefre_31 (DU1), Neville_32 (DU2), Rabbitrun_34 (DU2), Sephiroth_32 (DU1), Syleon_32 (DU1), Trax_32 (DU2),

Start 23:
• Found in 1 of 8 (12.5%) of genes in pham

• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Octobien14_33 (DU1),

Start 40:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_58 (CQ1),

Summary by clusters:

There are 3 clusters represented in this pham: DU1, DU2, CQ1,

Info for manual annotations of cluster DU1:
•Start number 2 was manually annotated 3 times for cluster DU1.
•Start number 23 was manually annotated 1 time for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 2 was manually annotated 3 times for cluster DU2.

Gene Information:

Gene: Abscondus_58 Start: 38819, Stop: 39718, Start Num: 40
Candidate Starts for Abscondus_58:
(40, 38819), (65, 39140), (66, 39155), (67, 39185), (70, 39224), (73, 39287), (74, 39290), (78, 39368), (85, 39434), (90, 39521), (97, 39644), (101, 39707), (102, 39710),

Gene: Kudefre_31 Start: 26003, Stop: 27445, Start Num: 2
Candidate Starts for Kudefre_31:
(Start: 2 @26003 has 6 MA's), (4, 26024), (5, 26030), (6, 26084), (13, 26165), (19, 26258), (21, 26279), (25, 26333), (26, 26345), (27, 26357), (30, 26396), (31, 26402), (33, 26423), (34, 26450), (35, 26480), (36, 26483), (37, 26486), (38, 26513), (39, 26528), (41, 26585), (42, 26597), (44, 26618), (45, 26621), (50, 26648), (55, 26702), (64, 26870), (65, 26873), (66, 26888), (68, 26939), (72, 27008), (75, 27038), (76, 27077), (86, 27188), (87, 27200), (91, 27260), (92, 27299), (93, 27320), (98, 27389), (100, 27428), (101, 27434), (102, 27437),

Gene: Neville_32 Start: 27410, Stop: 28765, Start Num: 2
Candidate Starts for Neville_32:
(1, 27380), (Start: 2 @27410 has 6 MA's), (3, 27428), (4, 27431), (5, 27437), (6, 27491), (7, 27497), (9, 27527), (11, 27545), (21, 27638), (24, 27653), (29, 27698), (30, 27716), (31, 27722), (32, 27731), (34, 27770), (36, 27803), (37, 27806), (41, 27905), (42, 27917), (44, 27938), (45, 27941), (46, 27944), (52, 27977), (53, 27986), (58, 28079), (59, 28100), (61, 28124), (62, 28145), (63, 28163), (65, 28193), (69, 28268), (71, 28301), (76, 28397), (78, 28418), (79, 28421), (81, 28427), (83, 28445), (84, 28454), (85, 28484), (86, 28508), (87, 28520), (91, 28580), (93, 28640), (94, 28643), (95, 28661), (97, 28694), (98, 28709), (101, 28754), (102, 28757),

Gene: Octobien14_33 Start: 26995, Stop: 28125, Start Num: 23
Candidate Starts for Octobien14_33:

(8, 26731), (10, 26761), (12, 26764), (14, 26800), (15, 26821), (18, 26887), (20, 26947), (21, 26956), (22, 26992), (Start: 23 @26995 has 1 MA's), (26, 27022), (28, 27052), (30, 27076), (36, 27163), (41, 27259), (43, 27286), (48, 27310), (49, 27319), (54, 27361), (56, 27379), (61, 27478), (65, 27547), (71, 27661), (72, 27688), (82, 27799), (84, 27814), (86, 27868), (88, 27886), (89, 27889), (91, 27940), (92, 27979), (93, 28000), (95, 28021), (98, 28069), (100, 28108), (101, 28114), (102, 28117),

Gene: Rabbitrun_34 Start: 27724, Stop: 29229, Start Num: 2
Candidate Starts for Rabbitrun_34:
(Start: 2 @27724 has 6 MA's), (4, 27745), (5, 27751), (16, 27949), (17, 27952), (21, 28063), (25, 28117), (27, 28141), (30, 28180), (31, 28186), (34, 28234), (39, 28312), (41, 28369), (42, 28381), (44, 28402), (45, 28405), (47, 28411), (51, 28438), (52, 28441), (57, 28531), (58, 28543), (59, 28564), (61, 28588), (65, 28657), (68, 28723), (69, 28732), (70, 28741), (76, 28861), (77, 28879), (80, 28888), (81, 28891), (83, 28909), (84, 28918), (85, 28948), (86, 28972), (91, 29044), (93, 29104), (94, 29107), (96, 29128), (97, 29158), (98, 29173), (99, 29209), (100, 29212), (101, 29218), (102, 29221),

Gene: Sephiroth_32 Start: 26174, Stop: 27616, Start Num: 2
Candidate Starts for Sephiroth_32:
(Start: 2 @26174 has 6 MA's), (4, 26195), (5, 26201), (6, 26255), (13, 26336), (19, 26429), (21, 26450), (25, 26504), (26, 26516), (27, 26528), (30, 26567), (31, 26573), (33, 26594), (34, 26621), (35, 26651), (36, 26654), (37, 26657), (41, 26756), (42, 26768), (44, 26789), (45, 26792), (50, 26819), (64, 27041), (65, 27044), (66, 27059), (68, 27110), (70, 27128), (72, 27179), (75, 27209), (76, 27248), (84, 27305), (86, 27359), (87, 27371), (91, 27431), (92, 27470), (93, 27491), (97, 27545), (98, 27560), (100, 27599), (101, 27605), (102, 27608),

Gene: Syleon_32 Start: 26096, Stop: 27538, Start Num: 2
Candidate Starts for Syleon_32:
(Start: 2 @26096 has 6 MA's), (4, 26117), (5, 26123), (6, 26177), (13, 26258), (19, 26351), (21, 26372), (25, 26426), (26, 26438), (27, 26450), (30, 26489), (31, 26495), (33, 26516), (34, 26543), (35, 26573), (36, 26576), (37, 26579), (41, 26678), (42, 26690), (44, 26711), (45, 26714), (50, 26741), (55, 26795), (59, 26873), (60, 26879), (64, 26963), (65, 26966), (66, 26981), (68, 27032), (72, 27101), (76, 27170), (86, 27281), (87, 27293), (91, 27353), (92, 27392), (93, 27413), (97, 27467), (98, 27482), (100, 27521), (101, 27527), (102, 27530),

Gene: Trax_32 Start: 27716, Stop: 29071, Start Num: 2
Candidate Starts for Trax_32:
(1, 27686), (Start: 2 @27716 has 6 MA's), (3, 27734), (4, 27737), (5, 27743), (6, 27797), (7, 27803), (9, 27833), (11, 27851), (21, 27944), (24, 27959), (29, 28004), (30, 28022), (31, 28028), (32, 28037), (34, 28076), (36, 28109), (37, 28112), (41, 28211), (42, 28223), (44, 28244), (45, 28247), (46, 28250), (52, 28283), (53, 28292), (58, 28385), (59, 28406), (61, 28430), (62, 28451), (63, 28469), (65, 28499), (69, 28574), (71, 28607), (78, 28724), (79, 28727), (81, 28733), (83, 28751), (84, 28760), (85, 28790), (86, 28814), (87, 28826), (91, 28886), (93, 28946), (94, 28949), (95, 28967), (97, 29000), (98, 29015), (101, 29060), (102, 29063),