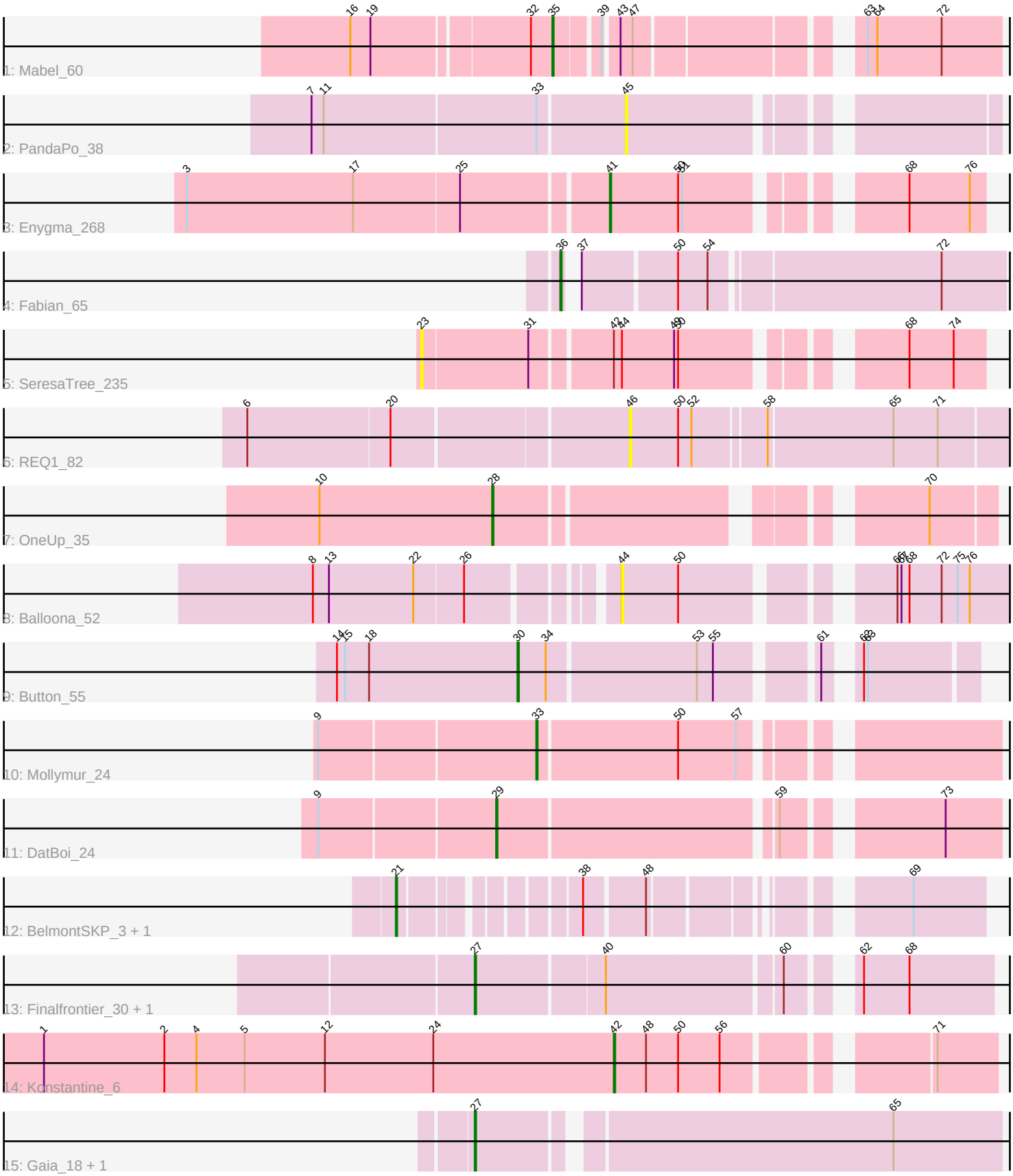
Pham 305352


1: Mabel_60
2: PandaPo_38
3: Enygma_268
4: Fabian_65
5: SeresaTree_235
6: REQ1_82
7: OneUp_35
8: Balloona_52
9: Button_55
10: Mollymur_24
11: DatBoi_24
12: BelmontSKP_3 + 1
13: Finalfrontier_30 + 1
14: Konstantine_6
15: Gaia_18 + 1

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 305352 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305352 has 18 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Mabel_60
• Track 2 : PandaPo_38
• Track 3 : Enygma_268
• Track 4 : Fabian_65
• Track 5 : SeresaTree_235
• Track 6 : REQ1_82
• Track 7 : OneUp_35
• Track 8 : Balloona_52
• Track 9 : Button_55
• Track 10 : Mollymur_24
• Track 11 : DatBoi_24
• Track 12 : BelmontSKP_3, AnnaLie_3
• Track 13 : Finalfrontier_30, Didgeridoo_31
• Track 14 : Konstantine_6
• Track 15 : Gaia_18, Nebkiss_19

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 4 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Didgeridoo_31, Finalfrontier_30, Gaia_18, Nebkiss_19,

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

Genes that do not have the "Most Annotated" start:
• AnnaLie_3, Balloona_52, BelmontSKP_3, Button_55, DatBoi_24, Enygma_268, Fabian_65, Konstantine_6, Mabel_60, Mollymur_24, OneUp_35, PandaPo_38, REQ1_82, SeresaTree_235,

Summary by start number:

Start 21:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnnaLie_3 (EB), BelmontSKP_3 (EB),

Start 23:
• Found in 1 of 18 (5.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SeresaTree_235 (BK1),

Start 27:
• Found in 4 of 18 (22.2%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Didgeridoo_31 (EB), Finalfrontier_30 (EB), Gaia_18 (X), Nebkiss_19 (X),

Start 28:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: OneUp_35 (CQ2),

Start 29:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DatBoi_24 (DL),

Start 30:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Button_55 (CT),

Start 33:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Mollymur_24 (DL),

Start 35:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mabel_60 (A11),

Start 36:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Fabian_65 (BF),

Start 41:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Enygma_268 (BE2),

Start 42:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Konstantine_6 (H1),

Start 44:
• Found in 2 of 18 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Balloona_52 (CT),

Start 45:
• Found in 1 of 18 (5.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PandaPo_38 (AZ1),

Start 46:
• Found in 1 of 18 (5.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: REQ1_82 (CF),

Summary by clusters:

There are 12 clusters represented in this pham: CF, BF, A11, H1, DL, EB, BK1, X, CQ2, BE2, AZ1, CT,

Info for manual annotations of cluster A11:
•Start number 35 was manually annotated 1 time for cluster A11.

Info for manual annotations of cluster BE2:
•Start number 41 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster BF:
•Start number 36 was manually annotated 1 time for cluster BF.

Info for manual annotations of cluster CQ2:
•Start number 28 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CT:

•Start number 30 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster DL:
•Start number 29 was manually annotated 1 time for cluster DL.
•Start number 33 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster EB:
•Start number 21 was manually annotated 2 times for cluster EB.
•Start number 27 was manually annotated 2 times for cluster EB.

Info for manual annotations of cluster H1:
•Start number 42 was manually annotated 1 time for cluster H1.

Info for manual annotations of cluster X:
•Start number 27 was manually annotated 2 times for cluster X.

Gene Information:

Gene: AnnaLie_3 Start: 681, Stop: 1031, Start Num: 21
Candidate Starts for AnnaLie_3:
(Start: 21 @681 has 2 MA's), (38, 786), (48, 828), (69, 978),

Gene: Balloona_52 Start: 38168, Stop: 37893, Start Num: 44
Candidate Starts for Balloona_52:
(8, 38369), (13, 38357), (22, 38294), (26, 38258), (44, 38168), (50, 38126), (66, 38000), (67, 37997), (68, 37991), (72, 37967), (75, 37955), (76, 37946),

Gene: BelmontSKP_3 Start: 681, Stop: 1031, Start Num: 21
Candidate Starts for BelmontSKP_3:
(Start: 21 @681 has 2 MA's), (38, 786), (48, 828), (69, 978),

Gene: Button_55 Start: 37507, Stop: 37208, Start Num: 30
Candidate Starts for Button_55:
(14, 37642), (15, 37636), (18, 37618), (Start: 30 @37507 has 1 MA's), (34, 37486), (53, 37378), (55, 37366), (61, 37303), (62, 37288), (63, 37285),

Gene: DatBoi_24 Start: 15695, Stop: 16030, Start Num: 29
Candidate Starts for DatBoi_24:
(9, 15569), (Start: 29 @15695 has 1 MA's), (59, 15890), (73, 15989),

Gene: Didgeridoo_31 Start: 22465, Stop: 22809, Start Num: 27
Candidate Starts for Didgeridoo_31:
(Start: 27 @22465 has 4 MA's), (40, 22555), (60, 22678), (62, 22714), (68, 22747),

Gene: Enygma_268 Start: 121650, Stop: 121411, Start Num: 41
Candidate Starts for Enygma_268:
(3, 121953), (17, 121830), (25, 121752), (Start: 41 @121650 has 1 MA's), (50, 121599), (51, 121596), (68, 121467), (76, 121422),

Gene: Fabian_65 Start: 36190, Stop: 36489, Start Num: 36
Candidate Starts for Fabian_65:

(Start: 36 @36190 has 1 MA's), (37, 36193), (50, 36259), (54, 36280), (72, 36442),

Gene: Finalfrontier_30 Start: 22829, Stop: 23173, Start Num: 27
Candidate Starts for Finalfrontier_30:
(Start: 27 @22829 has 4 MA's), (40, 22919), (60, 23042), (62, 23078), (68, 23111),

Gene: Gaia_18 Start: 17322, Stop: 17690, Start Num: 27
Candidate Starts for Gaia_18:
(Start: 27 @17322 has 4 MA's), (65, 17610),

Gene: Konstantine_6 Start: 4385, Stop: 4636, Start Num: 42
Candidate Starts for Konstantine_6:
(1, 3959), (2, 4049), (4, 4073), (5, 4109), (12, 4169), (24, 4250), (Start: 42 @4385 has 1 MA's), (48, 4409), (50, 4433), (56, 4463), (71, 4592),

Gene: Mabel_60 Start: 38750, Stop: 38463, Start Num: 35
Candidate Starts for Mabel_60:
(16, 38888), (19, 38873), (32, 38762), (Start: 35 @38750 has 1 MA's), (39, 38720), (43, 38711), (47, 38702), (63, 38561), (64, 38555), (72, 38507),

Gene: Mollymur_24 Start: 15771, Stop: 16076, Start Num: 33
Candidate Starts for Mollymur_24:
(9, 15615), (Start: 33 @15771 has 1 MA's), (50, 15873), (57, 15915),

Gene: Nebkiss_19 Start: 17323, Stop: 17691, Start Num: 27
Candidate Starts for Nebkiss_19:
(Start: 27 @17323 has 4 MA's), (65, 17611),

Gene: OneUp_35 Start: 15247, Stop: 15564, Start Num: 28
Candidate Starts for OneUp_35:
(10, 15118), (Start: 28 @15247 has 1 MA's), (70, 15517),

Gene: PandaPo_38 Start: 27626, Stop: 27865, Start Num: 45
Candidate Starts for PandaPo_38:
(7, 27398), (11, 27407), (Start: 33 @27563 has 1 MA's), (45, 27626),

Gene: REQ1_82 Start: 49241, Stop: 49534, Start Num: 46
Candidate Starts for REQ1_82:
(6, 48968), (20, 49073), (46, 49241), (50, 49277), (52, 49286), (58, 49337), (65, 49427), (71, 49460),

Gene: SeresaTree_235 Start: 114238, Stop: 114606, Start Num: 23
Candidate Starts for SeresaTree_235:
(23, 114238), (31, 114316), (Start: 42 @114370 has 1 MA's), (44, 114376), (49, 114415), (50, 114418), (68, 114550), (74, 114583),