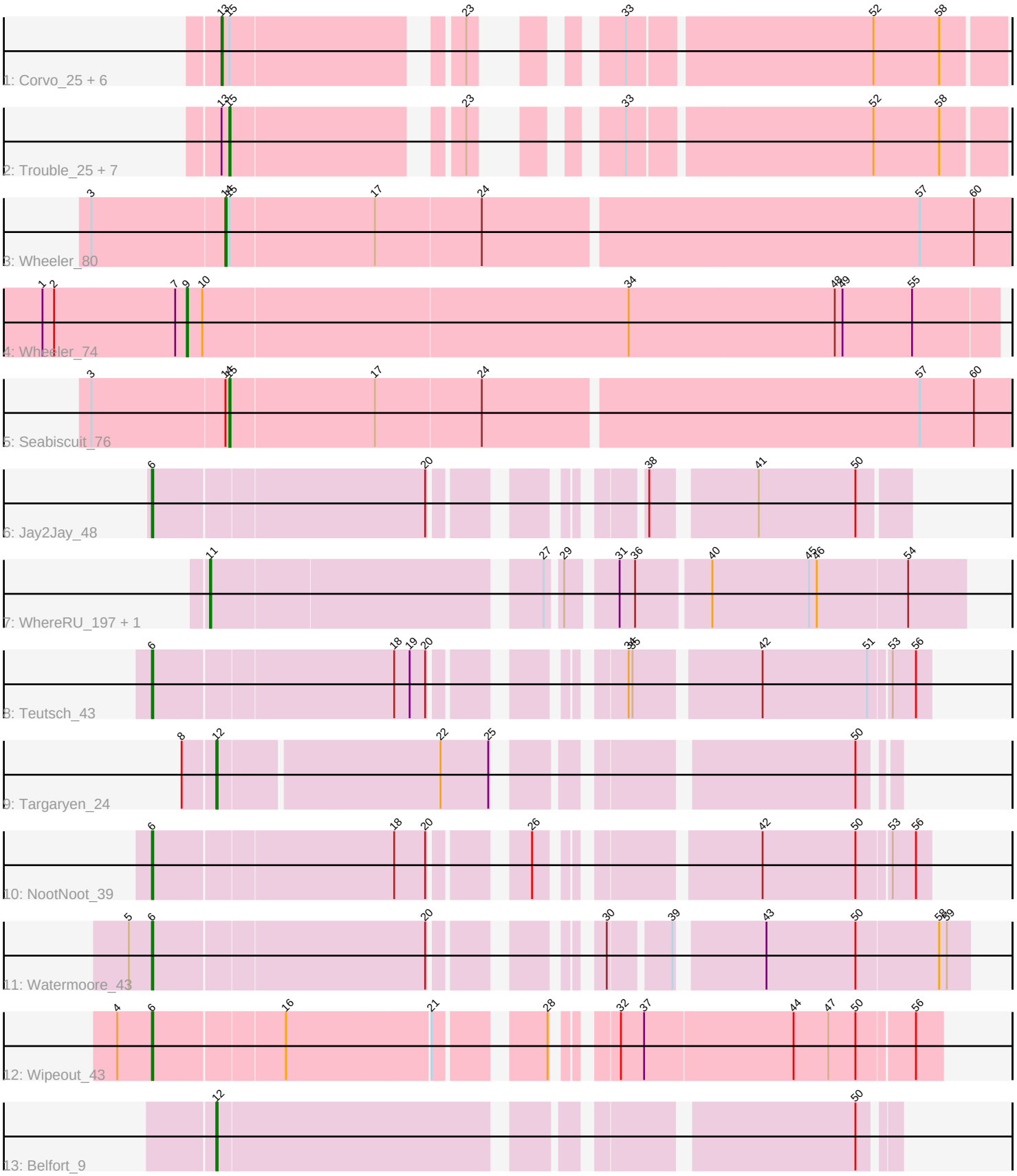
Pham 196753


1: Corvo_25 + 6
2: Trouble_25 + 7
3: Wheeler_80
4: Wheeler_74
5: Seabiscuit_76
6: Jay2Jay_48
7: WhereRU_197 + 1
8: Teutsch_43
9: Targaryen_24
10: NootNoot_39
11: Watermoore_43
12: Wipeout_43
13: Belfort_9

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 196753 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196753 has 27 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Corvo_25, Target_27, Snazzy_23, Pinto_27, Hermia_27, Zeeculate_24, Atkinbua_26
• Track 2 : Trouble_25, Ashballer_24, GrecoEtereo_26, Beatrix_24, Petruchio_25, SwissCheese_25, ConceptII_26, Ajay_25
• Track 3 : Wheeler_80
• Track 4 : Wheeler_74
• Track 5 : Seabiscuit_76
• Track 6 : Jay2Jay_48
• Track 7 : WhereRU_197, Persimmon_199
• Track 8 : Teutsch_43
• Track 9 : Targaryen_24
• Track 10 : NootNoot_39
• Track 11 : Watermoore_43
• Track 12 : Wipeout_43
• Track 13 : Belfort_9

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

The start number called the most often in the published annotations is 15, it was called in 9 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ajay_25, Ashballer_24, Beatrix_24, ConceptII_26, GrecoEtereo_26, Petruchio_25, Seabiscuit_76, SwissCheese_25, Trouble_25,

Genes that have the "Most Annotated" start but do not call it:
• Atkinbua_26, Corvo_25, Hermia_27, Pinto_27, Snazzy_23, Target_27, Wheeler_80, Zeeculate_24,

Genes that do not have the "Most Annotated" start:
• Belfort_9, Jay2Jay_48, NootNoot_39, Persimmon_199, Targaryen_24, Teutsch_43, Watermoore_43, Wheeler_74, WhereRU_197, Wipeout_43,

Summary by start number:

Start 6:
• Found in 5 of 27 (18.5%) of genes in pham
• Manual Annotations of this start: 5 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jay2Jay_48 (BE1), NootNoot_39 (BE1), Teutsch_43 (BE1), Watermoore_43 (BE1), Wipeout_43 (BE2),

Start 9:
• Found in 1 of 27 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Wheeler_74 (A1),

Start 11:
• Found in 2 of 27 (7.4%) of genes in pham
• Manual Annotations of this start: 2 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Persimmon_199 (BE1), WhereRU_197 (BE1),

Start 12:
• Found in 2 of 27 (7.4%) of genes in pham
• Manual Annotations of this start: 2 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_9 (BK1), Targaryen_24 (BE1),

Start 13:
• Found in 15 of 27 (55.6%) of genes in pham
• Manual Annotations of this start: 7 of 27
• Called 46.7% of time when present
• Phage (with cluster) where this start called: Atkinbua_26 (A1), Corvo_25 (A1), Hermia_27 (A1), Pinto_27 (A1), Snazzy_23 (A1), Target_27 (A1), Zeeculate_24 (A1),

Start 14:
• Found in 2 of 27 (7.4%) of genes in pham
• Manual Annotations of this start: 1 of 27
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Wheeler_80 (A1),

Start 15:
• Found in 17 of 27 (63.0%) of genes in pham
• Manual Annotations of this start: 9 of 27
• Called 52.9% of time when present
• Phage (with cluster) where this start called: Ajay_25 (A1), Ashballer_24 (A1), Beatrix_24 (A1), ConceptII_26 (A1), GrecoEtereo_26 (A1), Petruchio_25 (A1), Seabiscuit_76 (A1), SwissCheese_25 (A1), Trouble_25 (A1),

Summary by clusters:

There are 4 clusters represented in this pham: A1, BE2, BE1, BK1,

Info for manual annotations of cluster A1:

•Start number 9 was manually annotated 1 time for cluster A1.
•Start number 13 was manually annotated 7 times for cluster A1.
•Start number 14 was manually annotated 1 time for cluster A1.
•Start number 15 was manually annotated 9 times for cluster A1.

Info for manual annotations of cluster BE1:
•Start number 6 was manually annotated 4 times for cluster BE1.
•Start number 11 was manually annotated 2 times for cluster BE1.
•Start number 12 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 6 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster BK1:
•Start number 12 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Ajay_25 Start: 18878, Stop: 19372, Start Num: 15
Candidate Starts for Ajay_25:
(Start: 13 @18872 has 7 MA's), (Start: 15 @18878 has 9 MA's), (23, 19034), (33, 19094), (52, 19274), (58, 19325),

Gene: Ashballer_24 Start: 18821, Stop: 19315, Start Num: 15
Candidate Starts for Ashballer_24:
(Start: 13 @18815 has 7 MA's), (Start: 15 @18821 has 9 MA's), (23, 18977), (33, 19037), (52, 19217), (58, 19268),

Gene: Atkinbua_26 Start: 18768, Stop: 19268, Start Num: 13
Candidate Starts for Atkinbua_26:
(Start: 13 @18768 has 7 MA's), (Start: 15 @18774 has 9 MA's), (23, 18930), (33, 18990), (52, 19170), (58, 19221),

Gene: Beatrix_24 Start: 19780, Stop: 20274, Start Num: 15
Candidate Starts for Beatrix_24:
(Start: 13 @19774 has 7 MA's), (Start: 15 @19780 has 9 MA's), (23, 19936), (33, 19996), (52, 20176), (58, 20227),

Gene: Belfort_9 Start: 3515, Stop: 3048, Start Num: 12
Candidate Starts for Belfort_9:
(Start: 12 @3515 has 2 MA's), (50, 3074),

Gene: ConceptII_26 Start: 19302, Stop: 19796, Start Num: 15
Candidate Starts for ConceptII_26:
(Start: 13 @19296 has 7 MA's), (Start: 15 @19302 has 9 MA's), (23, 19458), (33, 19518), (52, 19698), (58, 19749),

Gene: Corvo_25 Start: 19271, Stop: 19771, Start Num: 13
Candidate Starts for Corvo_25:
(Start: 13 @19271 has 7 MA's), (Start: 15 @19277 has 9 MA's), (23, 19433), (33, 19493), (52, 19673), (58, 19724),

Gene: GrecoEtereo_26 Start: 19123, Stop: 19617, Start Num: 15
Candidate Starts for GrecoEtereo_26:
(Start: 13 @19117 has 7 MA's), (Start: 15 @19123 has 9 MA's), (23, 19279), (33, 19339), (52, 19519), (58, 19570),

Gene: Hermia_27 Start: 19855, Stop: 20355, Start Num: 13
Candidate Starts for Hermia_27:
(Start: 13 @19855 has 7 MA's), (Start: 15 @19861 has 9 MA's), (23, 20017), (33, 20077), (52, 20257), (58, 20308),

Gene: Jay2Jay_48 Start: 21945, Stop: 22448, Start Num: 6
Candidate Starts for Jay2Jay_48:
(Start: 6 @21945 has 5 MA's), (20, 22149), (38, 22263), (41, 22335), (50, 22410),

Gene: NootNoot_39 Start: 19334, Stop: 19861, Start Num: 6
Candidate Starts for NootNoot_39:
(Start: 6 @19334 has 5 MA's), (18, 19514), (20, 19538), (26, 19595), (42, 19736), (50, 19808), (53, 19832), (56, 19850),

Gene: Persimmon_199 Start: 102263, Stop: 102802, Start Num: 11
Candidate Starts for Persimmon_199:
(Start: 11 @102263 has 2 MA's), (27, 102500), (29, 102509), (31, 102542), (36, 102554), (40, 102608), (45, 102683), (46, 102689), (54, 102758),

Gene: Petruchio_25 Start: 18798, Stop: 19292, Start Num: 15
Candidate Starts for Petruchio_25:
(Start: 13 @18792 has 7 MA's), (Start: 15 @18798 has 9 MA's), (23, 18954), (33, 19014), (52, 19194), (58, 19245),

Gene: Pinto_27 Start: 18931, Stop: 19431, Start Num: 13
Candidate Starts for Pinto_27:
(Start: 13 @18931 has 7 MA's), (Start: 15 @18937 has 9 MA's), (23, 19093), (33, 19153), (52, 19333), (58, 19384),

Gene: Seabiscuit_76 Start: 46023, Stop: 45430, Start Num: 15
Candidate Starts for Seabiscuit_76:
(3, 46128), (Start: 14 @46026 has 1 MA's), (Start: 15 @46023 has 9 MA's), (17, 45912), (24, 45831), (57, 45501), (60, 45459),

Gene: Snazzy_23 Start: 18265, Stop: 18765, Start Num: 13
Candidate Starts for Snazzy_23:
(Start: 13 @18265 has 7 MA's), (Start: 15 @18271 has 9 MA's), (23, 18427), (33, 18487), (52, 18667), (58, 18718),

Gene: SwissCheese_25 Start: 18840, Stop: 19334, Start Num: 15
Candidate Starts for SwissCheese_25:
(Start: 13 @18834 has 7 MA's), (Start: 15 @18840 has 9 MA's), (23, 18996), (33, 19056), (52, 19236), (58, 19287),

Gene: Targaryen_24 Start: 12646, Stop: 12188, Start Num: 12
Candidate Starts for Targaryen_24:
(8, 12670), (Start: 12 @12646 has 2 MA's), (22, 12481), (25, 12445), (50, 12211),

Gene: Target_27 Start: 19834, Stop: 20334, Start Num: 13
Candidate Starts for Target_27:
(Start: 13 @19834 has 7 MA's), (Start: 15 @19840 has 9 MA's), (23, 19996), (33, 20056), (52, 20236), (58, 20287),

Gene: Teutsch_43 Start: 21423, Stop: 21950, Start Num: 6
Candidate Starts for Teutsch_43:
(Start: 6 @21423 has 5 MA's), (18, 21603), (19, 21615), (20, 21627), (34, 21732), (35, 21735), (42, 21825), (51, 21906), (53, 21921), (56, 21939),

Gene: Trouble_25 Start: 19144, Stop: 19638, Start Num: 15
Candidate Starts for Trouble_25:
(Start: 13 @19138 has 7 MA's), (Start: 15 @19144 has 9 MA's), (23, 19300), (33, 19360), (52, 19540), (58, 19591),

Gene: Watermoore_43 Start: 21631, Stop: 22182, Start Num: 6
Candidate Starts for Watermoore_43:
(5, 21613), (Start: 6 @21631 has 5 MA's), (20, 21835), (30, 21925), (39, 21967), (43, 22027), (50, 22096), (58, 22159), (59, 22165),

Gene: Wheeler_80 Start: 48775, Stop: 48179, Start Num: 14
Candidate Starts for Wheeler_80:
(3, 48877), (Start: 14 @48775 has 1 MA's), (Start: 15 @48772 has 9 MA's), (17, 48661), (24, 48580), (57, 48250), (60, 48208),

Gene: Wheeler_74 Start: 46185, Stop: 45562, Start Num: 9
Candidate Starts for Wheeler_74:
(1, 46296), (2, 46287), (7, 46194), (Start: 9 @46185 has 1 MA's), (10, 46173), (34, 45846), (48, 45687), (49, 45681), (55, 45627),

Gene: WhereRU_197 Start: 102837, Stop: 103376, Start Num: 11
Candidate Starts for WhereRU_197:
(Start: 11 @102837 has 2 MA's), (27, 103074), (29, 103083), (31, 103116), (36, 103128), (40, 103182), (45, 103257), (46, 103263), (54, 103332),

Gene: Wipeout_43 Start: 21273, Stop: 21818, Start Num: 6
Candidate Starts for Wipeout_43:
(4, 21246), (Start: 6 @21273 has 5 MA's), (16, 21369), (21, 21477), (28, 21546), (32, 21576), (37, 21594), (44, 21708), (47, 21735), (50, 21756), (56, 21798),

Gene: Zeeculate_24 Start: 19013, Stop: 19513, Start Num: 13
Candidate Starts for Zeeculate_24:
(Start: 13 @19013 has 7 MA's), (Start: 15 @19019 has 9 MA's), (23, 19175), (33, 19235), (52, 19415), (58, 19466),