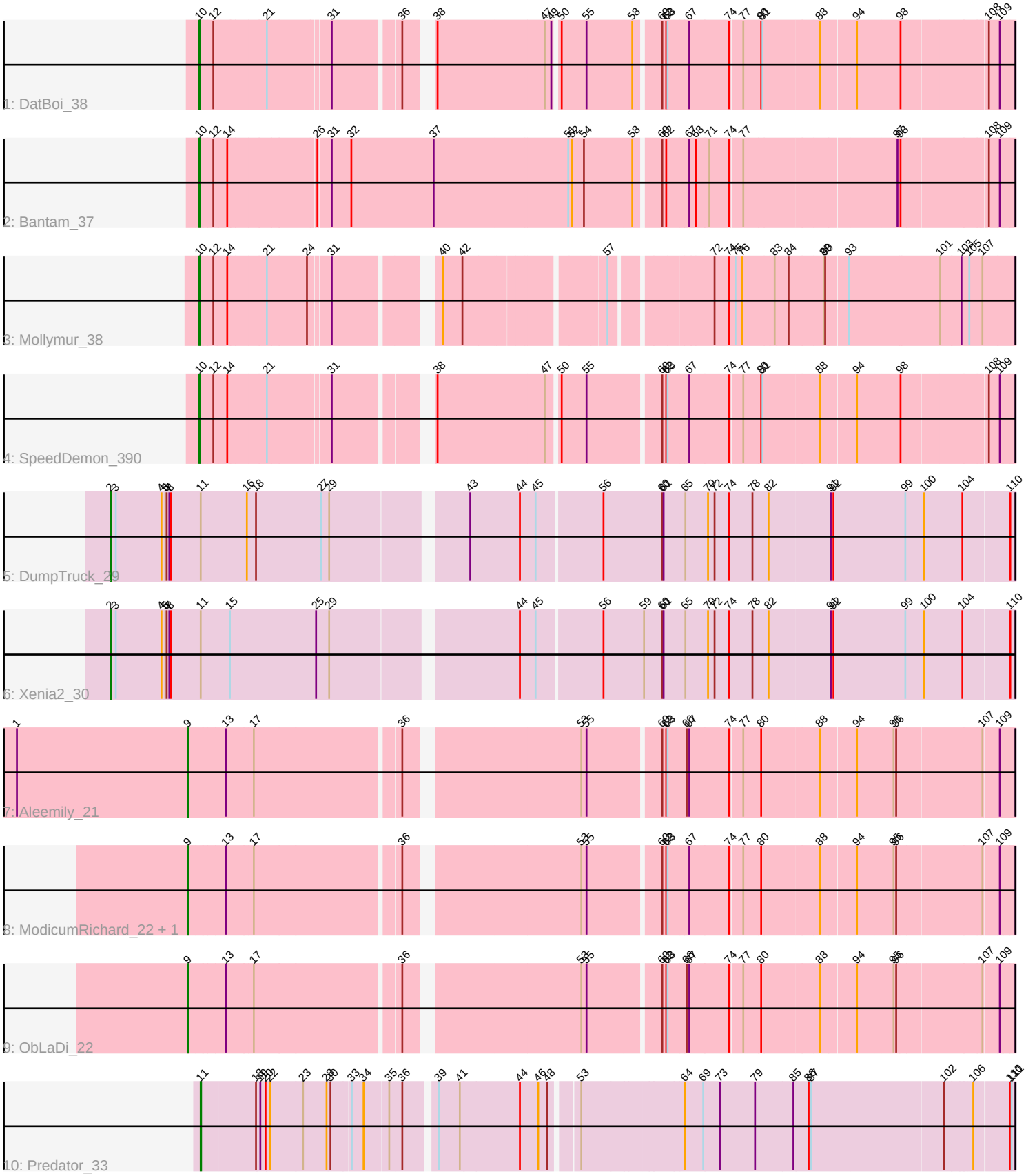
Pham 348234


1: DatBoi_38
2: Bantam_37
3: Mollymur_38
4: SpeedDemon_390
5: DumpTruck_29
6: Xenia2_30
7: Aleemily_21
8: ModicumRichard_22 + 1
9: ObLaDi_22
10: Predator_33

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 348234 Report

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

Pham number 348234 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : DatBoi_38
• Track 2 : Bantam_37
• Track 3 : Mollymur_38
• Track 4 : SpeedDemon_390
• Track 5 : DumpTruck_29
• Track 6 : Xenia2_30
• Track 7 : Aleemily_21
• Track 8 : ModicumRichard_22, Cafasso_22
• Track 9 : ObLaDi_22
• Track 10 : Predator_33

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

The start number called the most often in the published annotations is 9, it was called in 4 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aleemily_21, Cafasso_22, ModicumRichard_22, ObLaDi_22,

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

Genes that do not have the "Most Annotated" start:
• Bantam_37, DatBoi_38, DumpTruck_29, Mollymur_38, Predator_33, SpeedDemon_390, Xenia2_30,

Summary by start number:

Start 2:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DumpTruck_29 (DV), Xenia2_30 (DV),

Start 9:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 4 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aleemily_21 (DZ), Cafasso_22 (DZ), ModicumRichard_22 (DZ), ObLaDi_22 (DZ),

Start 10:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 4 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bantam_37 (DL), DatBoi_38 (DL), Mollymur_38 (DL), SpeedDemon_390 (DL),

Start 11:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Predator_33 (H1),

Summary by clusters:

There are 4 clusters represented in this pham: DV, DL, H1, DZ,

Info for manual annotations of cluster DL:
•Start number 10 was manually annotated 4 times for cluster DL.

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

Info for manual annotations of cluster DZ:
•Start number 9 was manually annotated 4 times for cluster DZ.

Info for manual annotations of cluster H1:
•Start number 11 was manually annotated 1 time for cluster H1.

Gene Information:

Gene: Aleemily_21 Start: 19129, Stop: 20868, Start Num: 9
Candidate Starts for Aleemily_21:
(1, 18736), (Start: 9 @19129 has 4 MA's), (13, 19210), (17, 19270), (36, 19588), (53, 19954), (55, 19966), (60, 20122), (62, 20131), (63, 20134), (66, 20173), (67, 20179), (74, 20269), (77, 20296), (80, 20332), (88, 20458), (94, 20533), (95, 20611), (96, 20617), (107, 20803), (109, 20836),

Gene: Bantam_37 Start: 32917, Stop: 34665, Start Num: 10
Candidate Starts for Bantam_37:
(Start: 10 @32917 has 4 MA's), (12, 32947), (14, 32974), (26, 33163), (31, 33190), (32, 33235), (37, 33424), (51, 33721), (52, 33730), (54, 33757), (58, 33865), (60, 33919), (62, 33928), (67, 33976), (68, 33991), (71, 34021), (74, 34066), (77, 34093), (97, 34417), (98, 34423), (108, 34609), (109, 34633),

Gene: Cafasso_22 Start: 19701, Stop: 21440, Start Num: 9

Candidate Starts for Cafasso_22:
(Start: 9 @19701 has 4 MA's), (13, 19782), (17, 19842), (36, 20160), (53, 20526), (55, 20538), (60, 20694), (62, 20703), (63, 20706), (67, 20751), (74, 20841), (77, 20868), (80, 20904), (88, 21030), (94, 21105), (95, 21183), (96, 21189), (107, 21375), (109, 21408),

Gene: DatBoi_38 Start: 33647, Stop: 35323, Start Num: 10
Candidate Starts for DatBoi_38:
(Start: 10 @33647 has 4 MA's), (12, 33677), (21, 33788), (31, 33920), (36, 34061), (38, 34103), (47, 34343), (49, 34358), (50, 34367), (55, 34424), (58, 34526), (60, 34580), (62, 34589), (63, 34592), (67, 34637), (74, 34727), (77, 34754), (80, 34790), (81, 34793), (88, 34916), (94, 34991), (98, 35084), (108, 35267), (109, 35291),

Gene: DumpTruck_29 Start: 26034, Stop: 27992, Start Num: 2
Candidate Starts for DumpTruck_29:
(Start: 2 @26034 has 2 MA's), (3, 26046), (4, 26151), (5, 26160), (6, 26163), (7, 26169), (8, 26172), (Start: 11 @26241 has 1 MA's), (16, 26346), (18, 26367), (27, 26514), (29, 26532), (43, 26811), (44, 26922), (45, 26958), (56, 27099), (60, 27234), (61, 27237), (65, 27285), (70, 27336), (72, 27351), (74, 27384), (78, 27435), (82, 27468), (91, 27603), (92, 27609), (99, 27765), (100, 27804), (104, 27888), (110, 27981),

Gene: ModicumRichard_22 Start: 19702, Stop: 21441, Start Num: 9
Candidate Starts for ModicumRichard_22:
(Start: 9 @19702 has 4 MA's), (13, 19783), (17, 19843), (36, 20161), (53, 20527), (55, 20539), (60, 20695), (62, 20704), (63, 20707), (67, 20752), (74, 20842), (77, 20869), (80, 20905), (88, 21031), (94, 21106), (95, 21184), (96, 21190), (107, 21376), (109, 21409),

Gene: Mollymur_38 Start: 34128, Stop: 35807, Start Num: 10
Candidate Starts for Mollymur_38:
(Start: 10 @34128 has 4 MA's), (12, 34158), (14, 34185), (21, 34269), (24, 34359), (31, 34401), (40, 34599), (42, 34644), (57, 34932), (72, 35136), (74, 35169), (75, 35184), (76, 35199), (83, 35271), (84, 35301), (89, 35379), (90, 35382), (93, 35430), (101, 35637), (103, 35685), (105, 35703), (107, 35733),

Gene: ObLaDi_22 Start: 19681, Stop: 21420, Start Num: 9
Candidate Starts for ObLaDi_22:
(Start: 9 @19681 has 4 MA's), (13, 19762), (17, 19822), (36, 20140), (53, 20506), (55, 20518), (60, 20674), (62, 20683), (63, 20686), (66, 20725), (67, 20731), (74, 20821), (77, 20848), (80, 20884), (88, 21010), (94, 21085), (95, 21163), (96, 21169), (107, 21355), (109, 21388),

Gene: Predator_33 Start: 27263, Stop: 29017, Start Num: 11
Candidate Starts for Predator_33:
(Start: 11 @27263 has 1 MA's), (18, 27386), (19, 27395), (20, 27407), (22, 27416), (23, 27491), (28, 27545), (30, 27551), (33, 27593), (34, 27620), (35, 27674), (36, 27701), (39, 27764), (41, 27812), (44, 27947), (46, 27989), (48, 28010), (53, 28064), (64, 28289), (69, 28331), (73, 28367), (79, 28448), (85, 28535), (86, 28568), (87, 28574), (102, 28868), (106, 28928), (110, 29006), (111, 29009),

Gene: SpeedDemon_390 Start: 34766, Stop: 36442, Start Num: 10
Candidate Starts for SpeedDemon_390:
(Start: 10 @34766 has 4 MA's), (12, 34796), (14, 34823), (21, 34907), (31, 35039), (38, 35222), (47, 35462), (50, 35486), (55, 35543), (60, 35699), (62, 35708), (63, 35711), (67, 35756), (74, 35846), (77, 35873), (80, 35909), (81, 35912), (88, 36035), (94, 36110), (98, 36203), (108, 36386), (109, 36410),

Gene: Xenia2_30 Start: 26076, Stop: 28034, Start Num: 2
Candidate Starts for Xenia2_30:

(Start: 2 @26076 has 2 MA's), (3, 26088), (4, 26193), (5, 26202), (6, 26205), (7, 26211), (8, 26214), (Start: 11 @26283 has 1 MA's), (15, 26349), (25, 26544), (29, 26574), (44, 26964), (45, 27000), (56, 27141), (59, 27234), (60, 27276), (61, 27279), (65, 27327), (70, 27378), (72, 27393), (74, 27426), (78, 27477), (82, 27510), (91, 27645), (92, 27651), (99, 27807), (100, 27846), (104, 27930), (110, 28023),