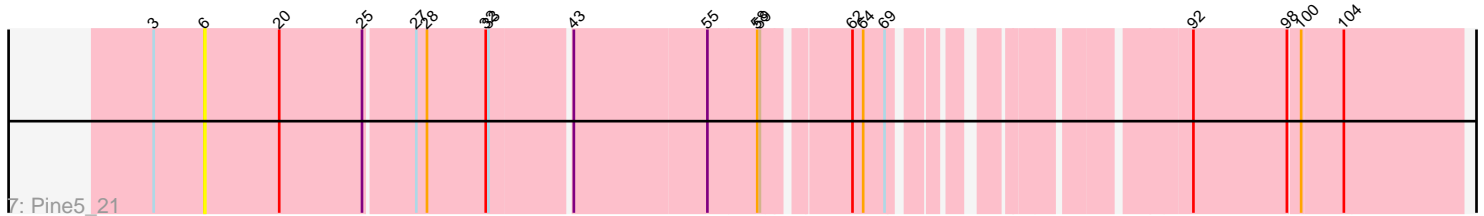
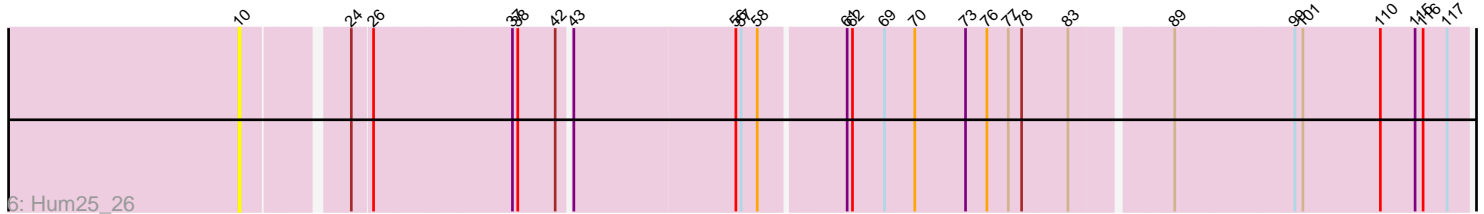
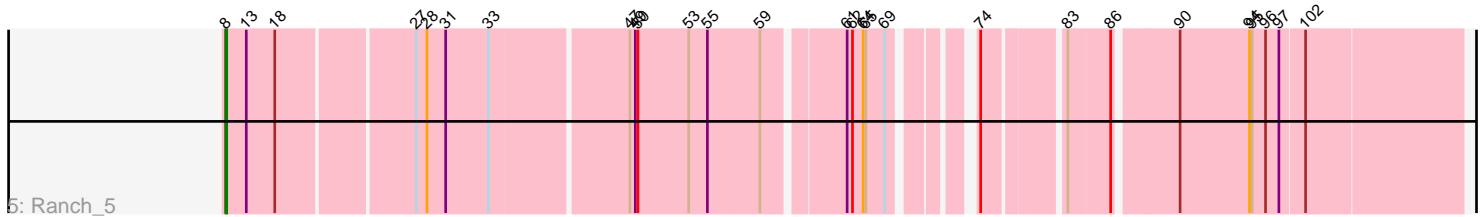
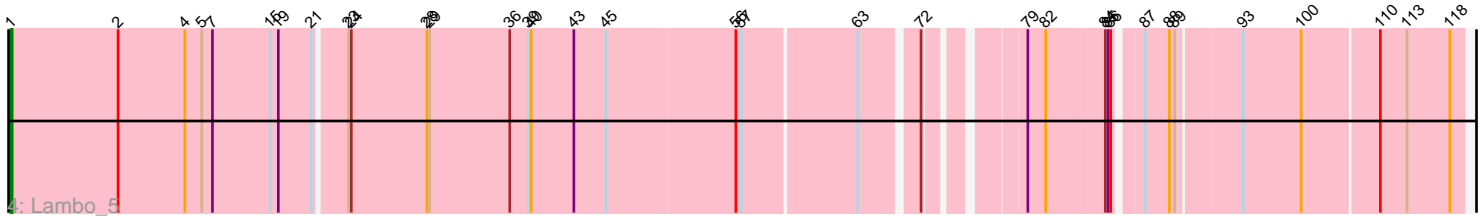
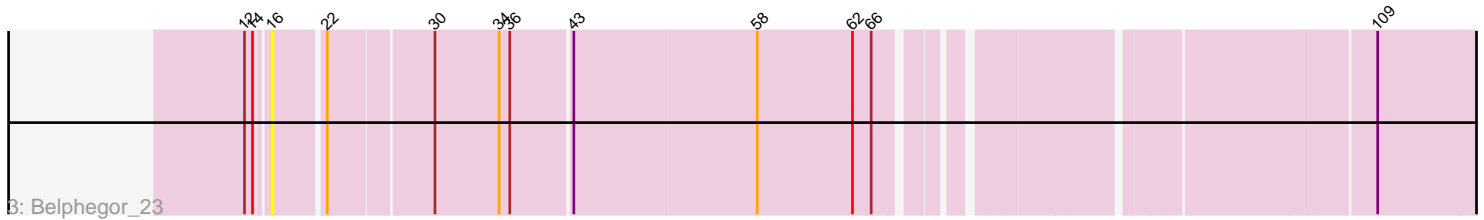
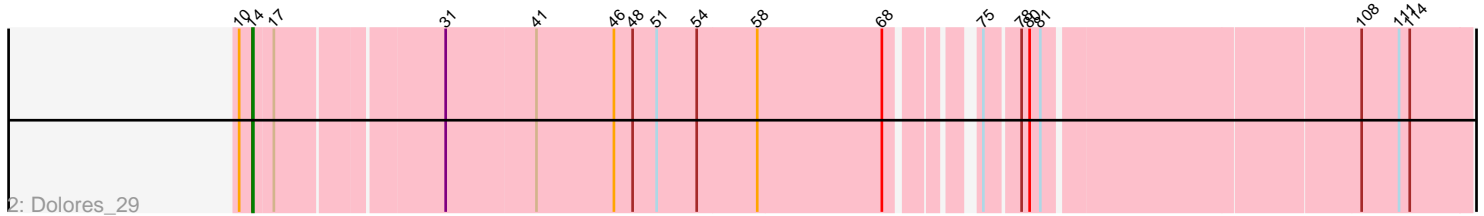
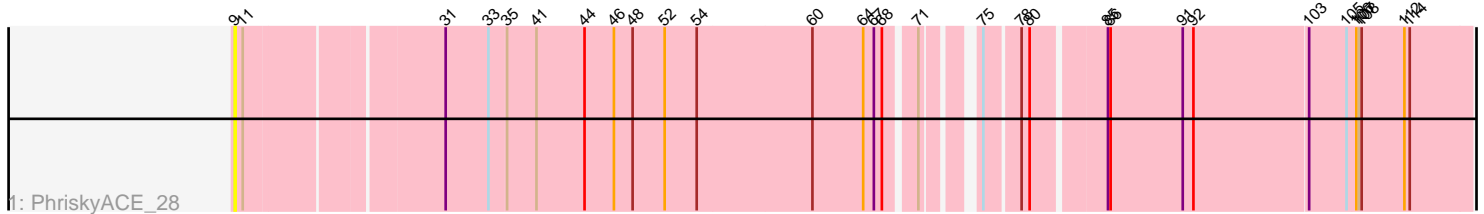


Pham 88379



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 88379 Report

This analysis was run 04/28/24 on database version 559.

Pham number 88379 has 7 members, 4 are drafts.

Phages represented in each track:

- Track 1 : PhriskyACE_28
- Track 2 : Dolores_29
- Track 3 : Belphegor_23
- Track 4 : Lambo_5
- Track 5 : Ranch_5
- Track 6 : Hum25_26
- Track 7 : Pine5_21

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

The start number called the most often in the published annotations is 14, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dolores_29,

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

- Belphegor_23,

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

- Hum25_26, Lambo_5, PhriskyACE_28, Pine5_21, Ranch_5,

Summary by start number:

Start 1:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lambo_5 (DV),

Start 6:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Pine5_21 (singleton),

Start 8:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ranch_5 (DV),

Start 9:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PhriskyACE_28 (CZ4),

Start 10:

- Found in 2 of 7 (28.6%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Hum25_26 (FQ),

Start 14:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Dolores_29 (CZ4),

Start 16:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belphegor_23 (DE),

Summary by clusters:

There are 5 clusters represented in this pham: DV, FQ, singleton, DE, CZ4,

Info for manual annotations of cluster CZ4:

- Start number 14 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster DV:

- Start number 1 was manually annotated 1 time for cluster DV.
- Start number 8 was manually annotated 1 time for cluster DV.

Gene Information:

Gene: Belphegor_23 Start: 18351, Stop: 19574, Start Num: 16

Candidate Starts for Belphegor_23:

(12, 18330), (Start: 14 @18339 has 1 MA's), (16, 18351), (22, 18402), (30, 18510), (34, 18582), (36, 18594), (43, 18657), (58, 18858), (62, 18963), (66, 18984), (109, 19458),

Gene: Dolores_29 Start: 24052, Stop: 25317, Start Num: 14

Candidate Starts for Dolores_29:

(10, 24037), (Start: 14 @24052 has 1 MA's), (17, 24073), (31, 24247), (41, 24346), (46, 24433), (48, 24454), (51, 24481), (54, 24526), (58, 24592), (68, 24730), (75, 24802), (78, 24838), (80, 24847), (81, 24859), (108, 25195), (111, 25237), (114, 25249),

Gene: Hum25_26 Start: 18853, Stop: 20148, Start Num: 10

Candidate Starts for Hum25_26:

(10, 18853), (24, 18958), (26, 18979), (37, 19132), (38, 19138), (42, 19180), (43, 19192), (56, 19369), (57, 19375), (58, 19393), (61, 19480), (62, 19486), (69, 19522), (70, 19555), (73, 19612), (76, 19636), (77, 19660), (78, 19675), (83, 19726), (89, 19828), (99, 19954), (101, 19963), (110, 20050), (115, 20089), (116, 20098), (117, 20125),

Gene: Lambo_5 Start: 4968, Stop: 6464, Start Num: 1

Candidate Starts for Lambo_5:

(Start: 1 @4968 has 1 MA's), (2, 5088), (4, 5163), (5, 5181), (7, 5193), (15, 5256), (19, 5265), (21, 5301), (23, 5334), (24, 5337), (28, 5421), (29, 5424), (36, 5514), (39, 5535), (40, 5538), (43, 5586), (45, 5622), (56, 5763), (57, 5769), (63, 5889), (72, 5946), (79, 6030), (82, 6048), (84, 6111), (85, 6114), (86, 6117), (87, 6141), (88, 6165), (89, 6171), (93, 6234), (100, 6294), (110, 6372), (113, 6402), (118, 6450),

Gene: PhriskyACE_28 Start: 23262, Stop: 24551, Start Num: 9

Candidate Starts for PhriskyACE_28:

(9, 23262), (11, 23271), (31, 23475), (33, 23523), (35, 23541), (41, 23574), (44, 23628), (46, 23661), (48, 23682), (52, 23718), (54, 23754), (60, 23880), (64, 23937), (67, 23949), (68, 23958), (71, 23988), (75, 24030), (78, 24066), (80, 24075), (85, 24150), (86, 24153), (91, 24234), (92, 24246), (103, 24372), (105, 24414), (106, 24423), (107, 24426), (108, 24429), (112, 24477), (114, 24483),

Gene: Pine5_21 Start: 16580, Stop: 17845, Start Num: 6

Candidate Starts for Pine5_21:

(3, 16523), (6, 16580), (20, 16664), (25, 16757), (27, 16811), (28, 16823), (32, 16889), (33, 16892), (43, 16976), (55, 17123), (58, 17177), (59, 17180), (62, 17261), (64, 17273), (69, 17297), (92, 17555), (98, 17657), (100, 17669), (104, 17714),

Gene: Ranch_5 Start: 3845, Stop: 5074, Start Num: 8

Candidate Starts for Ranch_5:

(Start: 8 @3845 has 1 MA's), (13, 3866), (18, 3896), (27, 4040), (28, 4052), (31, 4073), (33, 4121), (47, 4268), (49, 4274), (50, 4277), (53, 4334), (55, 4355), (59, 4412), (61, 4490), (62, 4493), (64, 4505), (65, 4508), (69, 4529), (74, 4592), (83, 4667), (86, 4712), (90, 4772), (94, 4850), (95, 4853), (96, 4868), (97, 4883), (102, 4904),