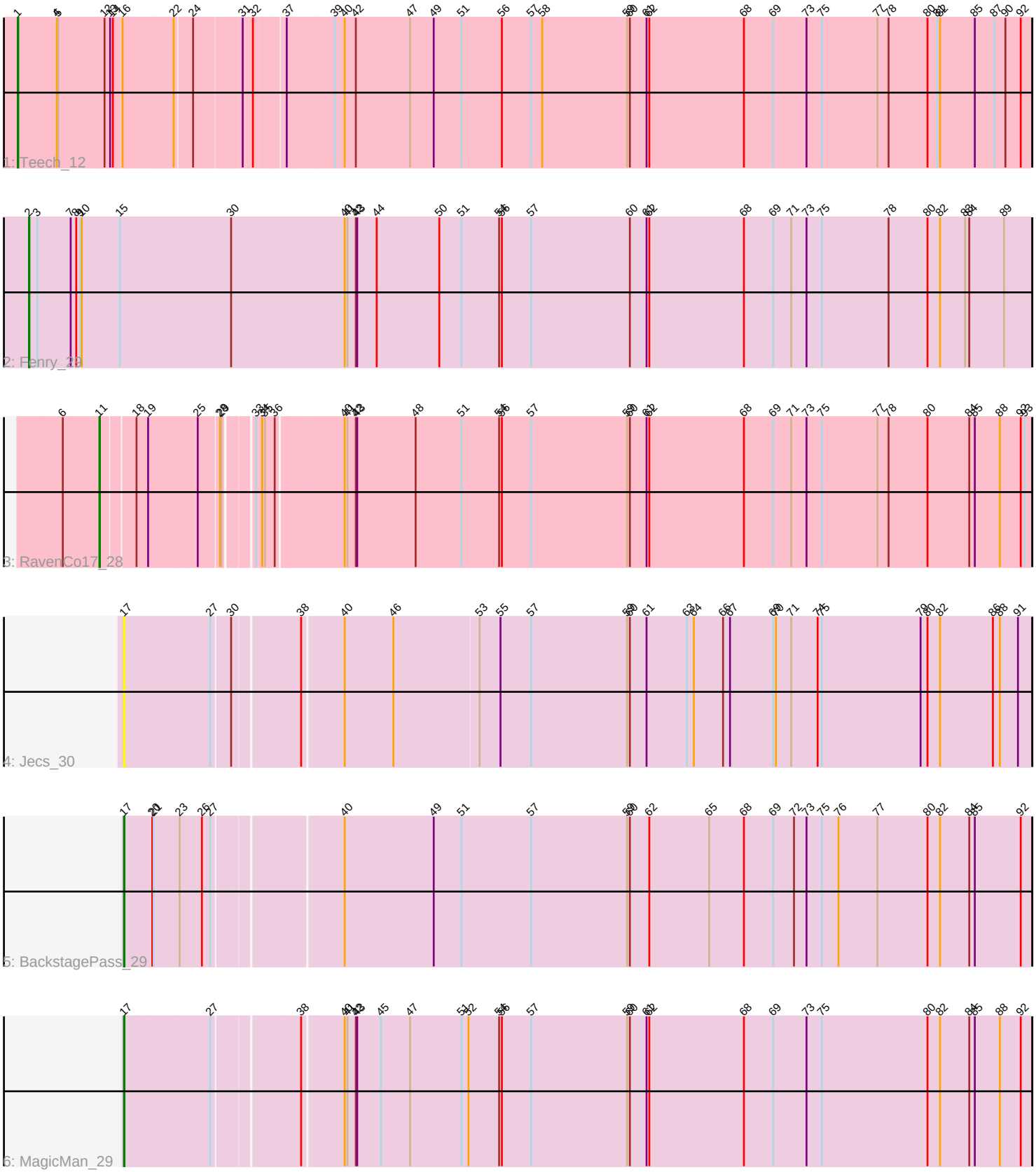
Pham 348416


1: Teech_12
2: Fenry_29
3: RavenCo17_28
4: Jecs_30
5: BackstagePass_29
6: MagicMan_29

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 348416 Report

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

Pham number 348416 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Teech_12
• Track 2 : Fenry_29
• Track 3 : RavenCo17_28
• Track 4 : Jecs_30
• Track 5 : BackstagePass_29
• Track 6 : MagicMan_29

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

The start number called the most often in the published annotations is 17, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BackstagePass_29, Jecs_30, MagicMan_29,

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

Genes that do not have the "Most Annotated" start:
• Fenry_29, RavenCo17_28, Teech_12,

Summary by start number:

Start 1:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Teech_12 (CS4),

Start 2:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fenry_29 (CV),

Start 11:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RavenCo17_28 (CZ8),

Start 17:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BackstagePass_29 (DB), Jecs_30 (DB), MagicMan_29 (DB),

Summary by clusters:

There are 4 clusters represented in this pham: CS4, CZ8, DB, CV,

Info for manual annotations of cluster CS4:
•Start number 1 was manually annotated 1 time for cluster CS4.

Info for manual annotations of cluster CV:
•Start number 2 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CZ8:
•Start number 11 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DB:
•Start number 17 was manually annotated 2 times for cluster DB.

Gene Information:

Gene: BackstagePass_29 Start: 24433, Stop: 26337, Start Num: 17
Candidate Starts for BackstagePass_29:
(Start: 17 @24433 has 2 MA's), (20, 24490), (21, 24493), (23, 24547), (26, 24592), (27, 24610), (40, 24859), (49, 25051), (51, 25111), (57, 25261), (59, 25468), (60, 25474), (62, 25516), (65, 25645), (68, 25720), (69, 25783), (72, 25828), (73, 25855), (75, 25888), (76, 25924), (77, 26008), (80, 26116), (82, 26143), (84, 26206), (85, 26218), (92, 26317),

Gene: Fenry_29 Start: 24950, Stop: 27100, Start Num: 2
Candidate Starts for Fenry_29:
(Start: 2 @24950 has 1 MA's), (3, 24968), (7, 25037), (8, 25049), (9, 25058), (10, 25061), (15, 25142), (30, 25382), (40, 25625), (41, 25631), (42, 25649), (43, 25652), (44, 25691), (50, 25826), (51, 25874), (54, 25955), (56, 25961), (57, 26024), (60, 26237), (61, 26273), (62, 26279), (68, 26483), (69, 26546), (71, 26585), (73, 26618), (75, 26651), (78, 26795), (80, 26879), (82, 26906), (83, 26960), (84, 26969), (89, 27044),

Gene: Jecs_30 Start: 24617, Stop: 26512, Start Num: 17
Candidate Starts for Jecs_30:
(Start: 17 @24617 has 2 MA's), (27, 24794), (30, 24830), (38, 24959), (40, 25043), (46, 25145), (53, 25322), (55, 25367), (57, 25433), (59, 25640), (60, 25646), (61, 25682), (63, 25769), (64, 25784), (66,

25847), (67, 25862), (69, 25955), (70, 25961), (71, 25994), (74, 26051), (75, 26060), (79, 26273), (80, 26288), (82, 26315), (86, 26429), (88, 26444), (91, 26483),

Gene: MagicMan_29 Start: 24626, Stop: 26527, Start Num: 17
Candidate Starts for MagicMan_29:
(Start: 17 @24626 has 2 MA's), (27, 24803), (38, 24968), (40, 25052), (41, 25058), (42, 25076), (43, 25079), (45, 25127), (47, 25190), (51, 25301), (52, 25316), (54, 25382), (56, 25388), (57, 25451), (59, 25658), (60, 25664), (61, 25700), (62, 25706), (68, 25910), (69, 25973), (73, 26045), (75, 26078), (80, 26306), (82, 26333), (84, 26396), (85, 26408), (88, 26462), (92, 26507),

Gene: RavenCo17_28 Start: 25331, Stop: 27253, Start Num: 11
Candidate Starts for RavenCo17_28:
(6, 25256), (Start: 11 @25331 has 1 MA's), (18, 25391), (19, 25415), (25, 25514), (28, 25556), (29, 25559), (33, 25607), (34, 25616), (35, 25622), (36, 25640), (40, 25778), (41, 25784), (42, 25802), (43, 25805), (48, 25928), (51, 26027), (54, 26108), (56, 26114), (57, 26177), (59, 26384), (60, 26390), (61, 26426), (62, 26432), (68, 26636), (69, 26699), (71, 26738), (73, 26771), (75, 26804), (77, 26924), (78, 26948), (80, 27032), (84, 27122), (85, 27134), (88, 27188), (92, 27233), (93, 27242),

Gene: Teech_12 Start: 12596, Stop: 14713, Start Num: 1
Candidate Starts for Teech_12:
(Start: 1 @12596 has 1 MA's), (4, 12677), (5, 12680), (12, 12776), (13, 12785), (14, 12791), (16, 12806), (22, 12908), (24, 12944), (31, 13034), (32, 13052), (37, 13112), (39, 13214), (40, 13235), (42, 13259), (47, 13376), (49, 13427), (51, 13487), (56, 13574), (57, 13637), (58, 13661), (59, 13844), (60, 13850), (61, 13886), (62, 13892), (68, 14096), (69, 14159), (73, 14231), (75, 14264), (77, 14384), (78, 14408), (80, 14492), (81, 14513), (82, 14519), (85, 14594), (87, 14636), (90, 14660), (92, 14693),