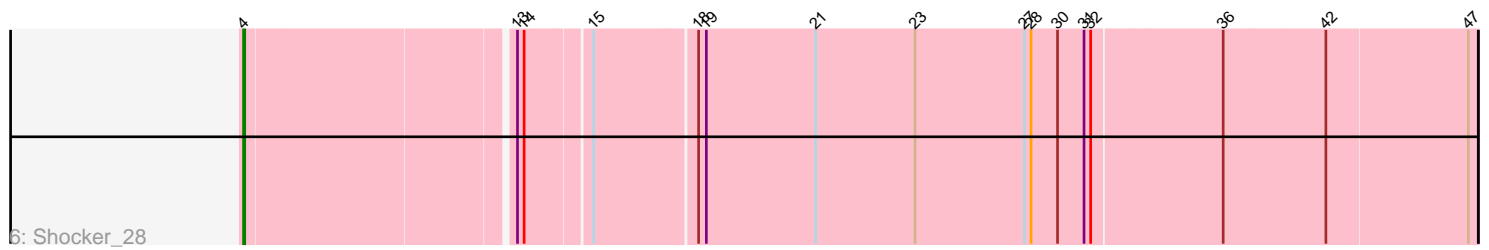
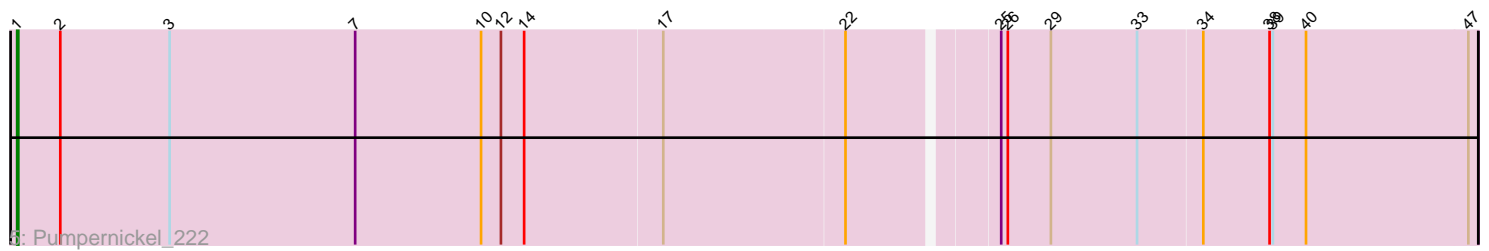
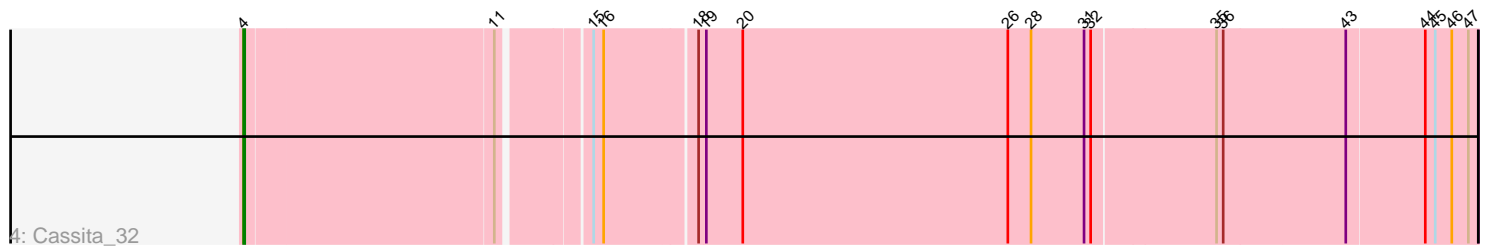
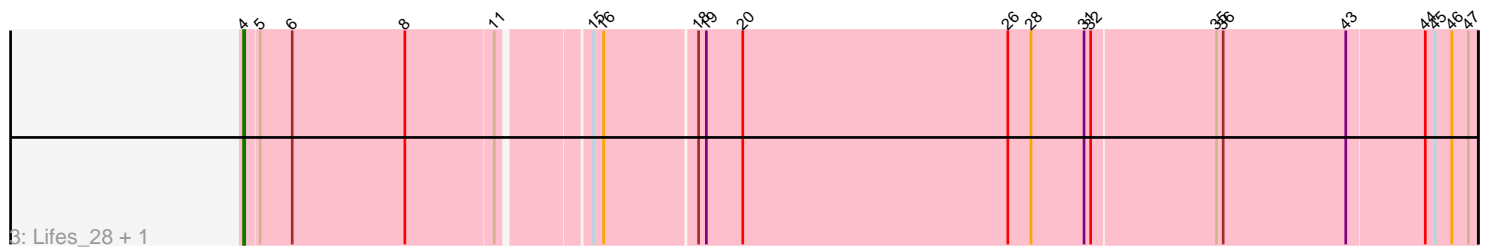
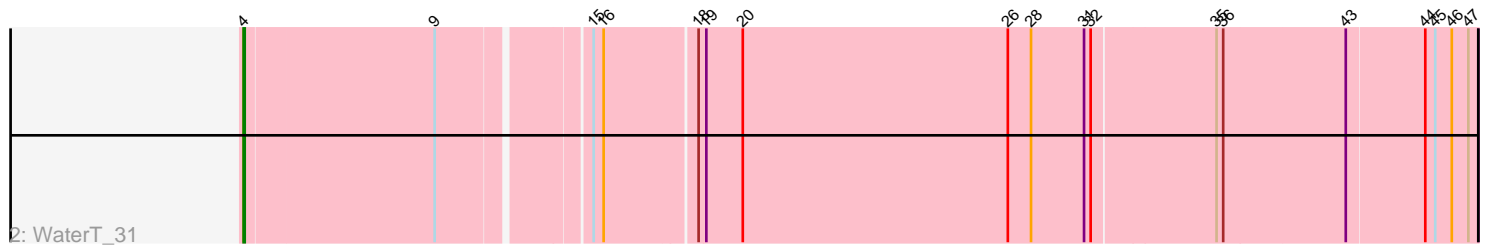
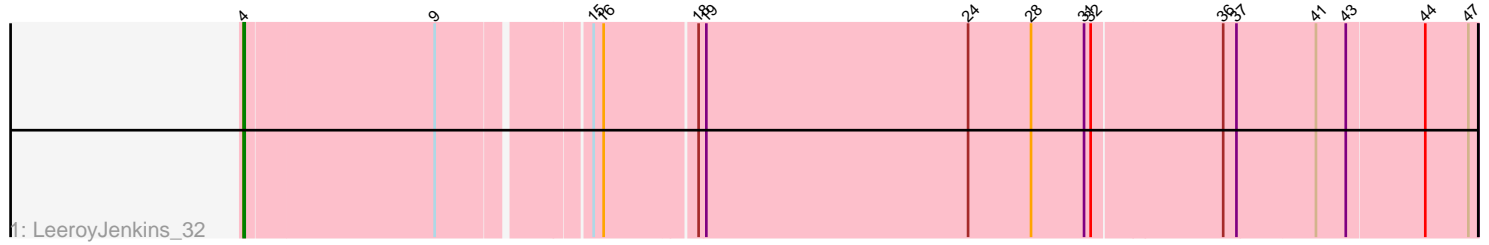


Pham 7795



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 7795 Report

This analysis was run 04/05/24 on database version 557.

Pham number 7795 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : LeeroyJenkins_32
- Track 2 : WaterT_31
- Track 3 : Lifes_28, Bigger_27
- Track 4 : Cassita_32
- Track 5 : Pumpernickel_222
- Track 6 : Shocker_28

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bigger_27, Cassita_32, LeeroyJenkins_32, Lifes_28, Shocker_28, WaterT_31,

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

-

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

- Pumpernickel_222,

Summary by start number:

Start 1:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pumpernickel_222 (GD4),

Start 4:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Bugger_27 (GB), Cassita_32 (GB), LeeroyJenkins_32 (GB), Lifes_28 (GB), Shocker_28 (singleton), WaterT_31 (GB),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, GD4, GB,

Info for manual annotations of cluster GB:

- Start number 4 was manually annotated 4 times for cluster GB.

Info for manual annotations of cluster GD4:

- Start number 1 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: Bugger_27 Start: 13416, Stop: 14486, Start Num: 4

Candidate Starts for Bugger_27:

(Start: 4 @13416 has 5 MA's), (5, 13428), (6, 13455), (8, 13557), (11, 13635), (15, 13707), (16, 13716), (18, 13794), (19, 13800), (20, 13833), (26, 14073), (28, 14094), (31, 14142), (32, 14148), (35, 14256), (36, 14262), (43, 14370), (44, 14439), (45, 14448), (46, 14463), (47, 14478),

Gene: Cassita_32 Start: 15792, Stop: 16862, Start Num: 4

Candidate Starts for Cassita_32:

(Start: 4 @15792 has 5 MA's), (11, 16011), (15, 16083), (16, 16092), (18, 16170), (19, 16176), (20, 16209), (26, 16449), (28, 16470), (31, 16518), (32, 16524), (35, 16632), (36, 16638), (43, 16746), (44, 16815), (45, 16824), (46, 16839), (47, 16854),

Gene: LeeroyJenkins_32 Start: 15723, Stop: 16793, Start Num: 4

Candidate Starts for LeeroyJenkins_32:

(Start: 4 @15723 has 5 MA's), (9, 15891), (15, 16014), (16, 16023), (18, 16101), (19, 16107), (24, 16344), (28, 16401), (31, 16449), (32, 16455), (36, 16569), (37, 16581), (41, 16650), (43, 16677), (44, 16746), (47, 16785),

Gene: Lifes_28 Start: 13447, Stop: 14517, Start Num: 4

Candidate Starts for Lifes_28:

(Start: 4 @13447 has 5 MA's), (5, 13459), (6, 13486), (8, 13588), (11, 13666), (15, 13738), (16, 13747), (18, 13825), (19, 13831), (20, 13864), (26, 14104), (28, 14125), (31, 14173), (32, 14179), (35, 14287), (36, 14293), (43, 14401), (44, 14470), (45, 14479), (46, 14494), (47, 14509),

Gene: Pumpernickel_222 Start: 128543, Stop: 129835, Start Num: 1

Candidate Starts for Pumpernickel_222:

(Start: 1 @128543 has 1 MA's), (2, 128582), (3, 128681), (7, 128849), (10, 128963), (12, 128981), (14, 129002), (17, 129125), (22, 129287), (25, 129410), (26, 129416), (29, 129455), (33, 129533), (34, 129590), (38, 129650), (39, 129653), (40, 129683), (47, 129827),

Gene: Shocker_28 Start: 15046, Stop: 16113, Start Num: 4

Candidate Starts for Shocker_28:

(Start: 4 @15046 has 5 MA's), (13, 15274), (14, 15280), (15, 15334), (18, 15421), (19, 15427), (21, 15526), (23, 15616), (27, 15715), (28, 15721), (30, 15745), (31, 15769), (32, 15775), (36, 15889), (42, 15979), (47, 16105),

Gene: WaterT_31 Start: 15536, Stop: 16606, Start Num: 4

Candidate Starts for WaterT_31:

(Start: 4 @15536 has 5 MA's), (9, 15704), (15, 15827), (16, 15836), (18, 15914), (19, 15920), (20, 15953), (26, 16193), (28, 16214), (31, 16262), (32, 16268), (35, 16376), (36, 16382), (43, 16490), (44, 16559), (45, 16568), (46, 16583), (47, 16598),