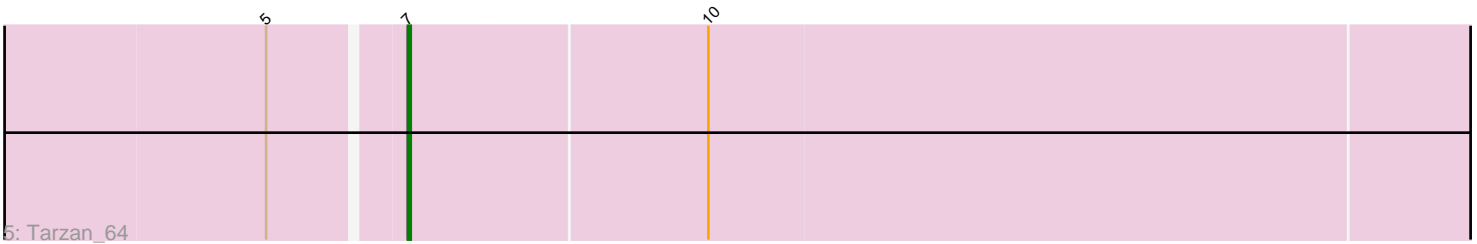
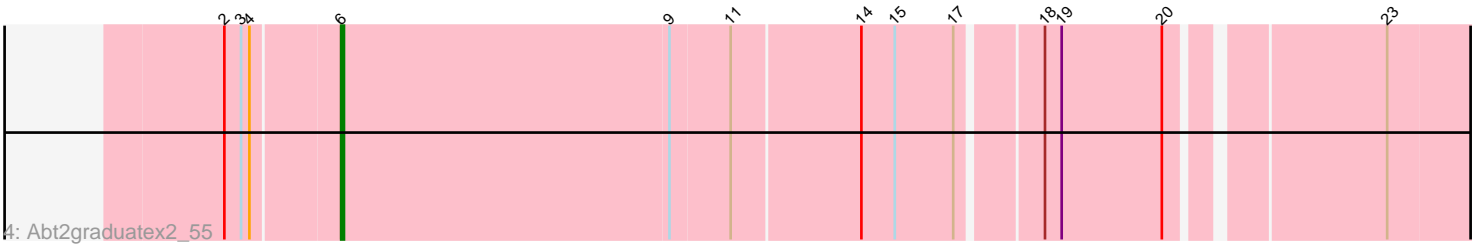
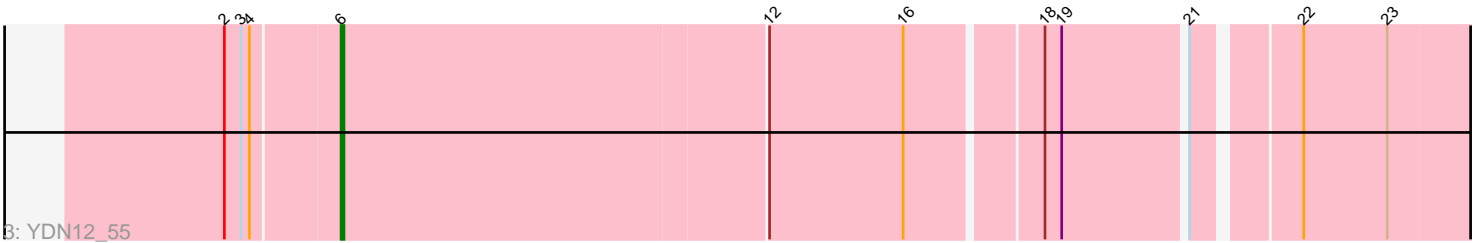
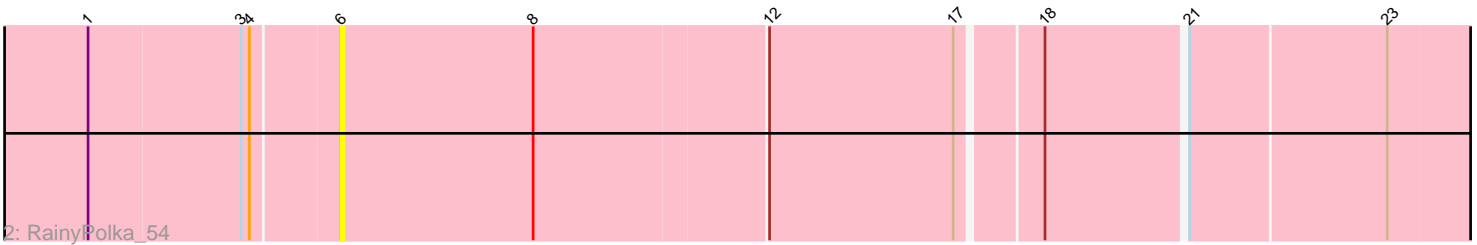
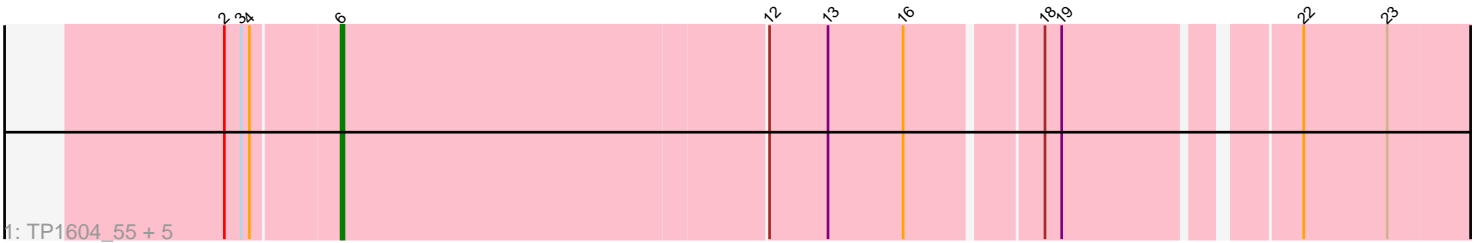


Pham 87556



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 87556 Report

This analysis was run 03/30/24 on database version 556.

Pham number 87556 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : TP1604_55, BabyGotBac_56, Asis_55, Maih_54, Salete_55, BayC_55
- Track 2 : RainyPolka_54
- Track 3 : YDN12_55
- Track 4 : Abt2graduatex2_55
- Track 5 : Tarzan_64
- Track 6 : Santhid_60

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

The start number called the most often in the published annotations is 6, it was called in 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abt2graduatex2_55, Asis_55, BabyGotBac_56, BayC_55, Maih_54, RainyPolka_54, Salete_55, TP1604_55, YDN12_55,

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

-

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

- Santhid_60, Tarzan_64,

Summary by start number:

Start 6:

- Found in 9 of 11 (81.8%) of genes in pham
- Manual Annotations of this start: 8 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_55 (BG), Asis_55 (BG), BabyGotBac_56 (BG), BayC_55 (BG), Maih_54 (BG), RainyPolka_54 (BG), Salete_55 (BG), TP1604_55 (BG), YDN12_55 (BG),

Start 7:

- Found in 2 of 11 (18.2%) of genes in pham

- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Santhid_60 (DY), Tarzan_64 (DY),

Summary by clusters:

There are 2 clusters represented in this pham: BG, DY,

Info for manual annotations of cluster BG:

- Start number 6 was manually annotated 8 times for cluster BG.

Info for manual annotations of cluster DY:

- Start number 7 was manually annotated 2 times for cluster DY.

Gene Information:

Gene: Abt2graduatex2_55 Start: 46731, Stop: 47117, Start Num: 6

Candidate Starts for Abt2graduatex2_55:

(2, 46692), (3, 46698), (4, 46701), (Start: 6 @46731 has 8 MA's), (9, 46848), (11, 46869), (14, 46914), (15, 46926), (17, 46947), (18, 46974), (19, 46980), (20, 47016), (23, 47085),

Gene: Asis_55 Start: 46578, Stop: 46964, Start Num: 6

Candidate Starts for Asis_55:

(2, 46539), (3, 46545), (4, 46548), (Start: 6 @46578 has 8 MA's), (12, 46728), (13, 46749), (16, 46776), (18, 46821), (19, 46827), (22, 46902), (23, 46932),

Gene: BabyGotBac_56 Start: 46584, Stop: 46970, Start Num: 6

Candidate Starts for BabyGotBac_56:

(2, 46545), (3, 46551), (4, 46554), (Start: 6 @46584 has 8 MA's), (12, 46734), (13, 46755), (16, 46782), (18, 46827), (19, 46833), (22, 46908), (23, 46938),

Gene: BayC_55 Start: 46582, Stop: 46968, Start Num: 6

Candidate Starts for BayC_55:

(2, 46543), (3, 46549), (4, 46552), (Start: 6 @46582 has 8 MA's), (12, 46732), (13, 46753), (16, 46780), (18, 46825), (19, 46831), (22, 46906), (23, 46936),

Gene: Maih_54 Start: 46595, Stop: 46981, Start Num: 6

Candidate Starts for Maih_54:

(2, 46556), (3, 46562), (4, 46565), (Start: 6 @46595 has 8 MA's), (12, 46745), (13, 46766), (16, 46793), (18, 46838), (19, 46844), (22, 46919), (23, 46949),

Gene: RainyPolka_54 Start: 46116, Stop: 46508, Start Num: 6

Candidate Starts for RainyPolka_54:

(1, 46029), (3, 46083), (4, 46086), (Start: 6 @46116 has 8 MA's), (8, 46185), (12, 46266), (17, 46332), (18, 46359), (21, 46407), (23, 46476),

Gene: Salete_55 Start: 46582, Stop: 46968, Start Num: 6

Candidate Starts for Salete_55:

(2, 46543), (3, 46549), (4, 46552), (Start: 6 @46582 has 8 MA's), (12, 46732), (13, 46753), (16, 46780), (18, 46825), (19, 46831), (22, 46906), (23, 46936),

Gene: Santhid_60 Start: 38844, Stop: 39239, Start Num: 7

Candidate Starts for Santhid_60:

(5, 38799), (Start: 7 @38844 has 2 MA's), (10, 38949),

Gene: TP1604_55 Start: 46587, Stop: 46973, Start Num: 6

Candidate Starts for TP1604_55:

(2, 46548), (3, 46554), (4, 46557), (Start: 6 @46587 has 8 MA's), (12, 46737), (13, 46758), (16, 46785), (18, 46830), (19, 46836), (22, 46911), (23, 46941),

Gene: Tarzan_64 Start: 40097, Stop: 40492, Start Num: 7

Candidate Starts for Tarzan_64:

(5, 40052), (Start: 7 @40097 has 2 MA's), (10, 40202),

Gene: YDN12_55 Start: 45684, Stop: 46070, Start Num: 6

Candidate Starts for YDN12_55:

(2, 45645), (3, 45651), (4, 45654), (Start: 6 @45684 has 8 MA's), (12, 45834), (16, 45882), (18, 45927), (19, 45933), (21, 45975), (22, 46008), (23, 46038),