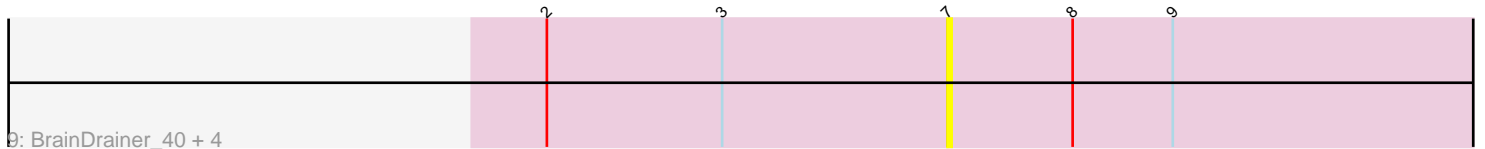
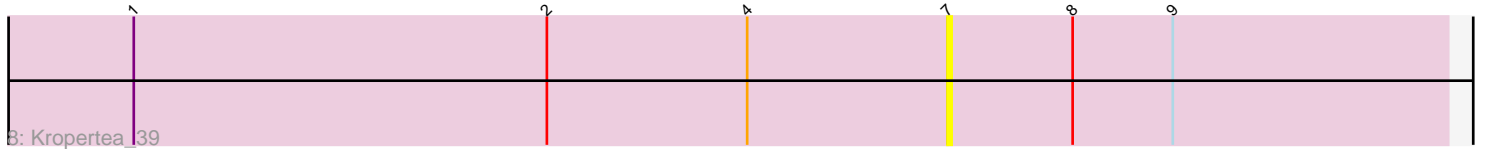
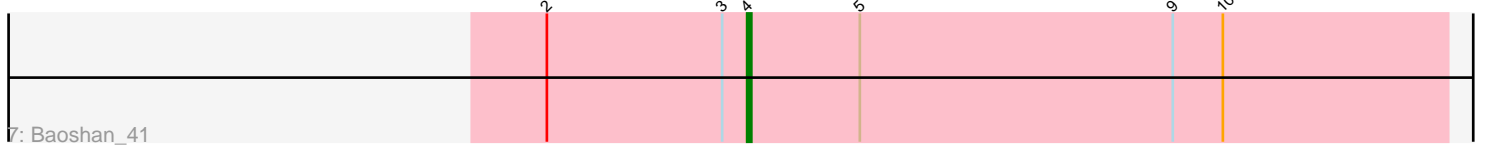
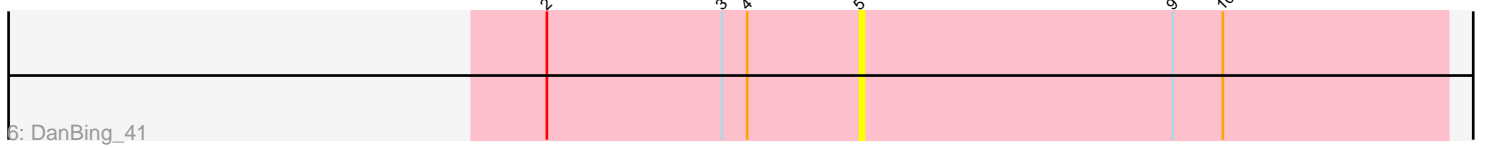
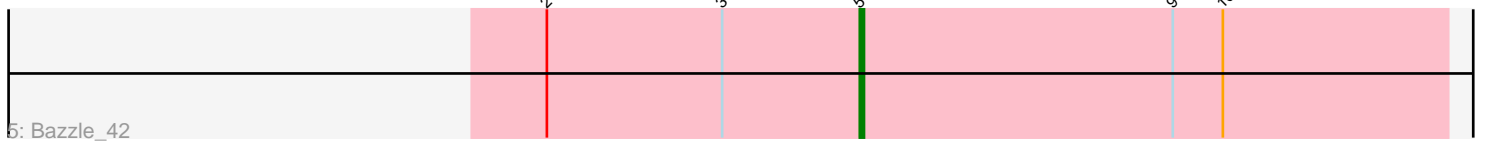
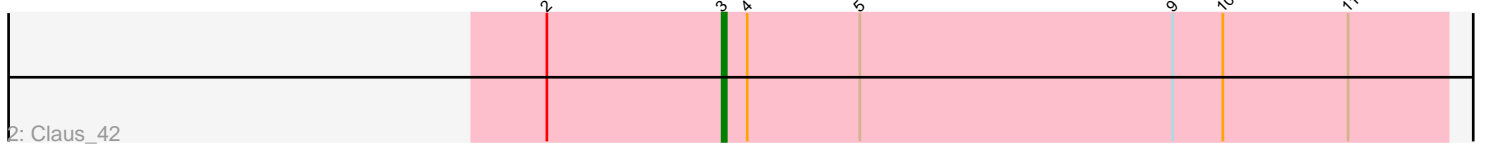
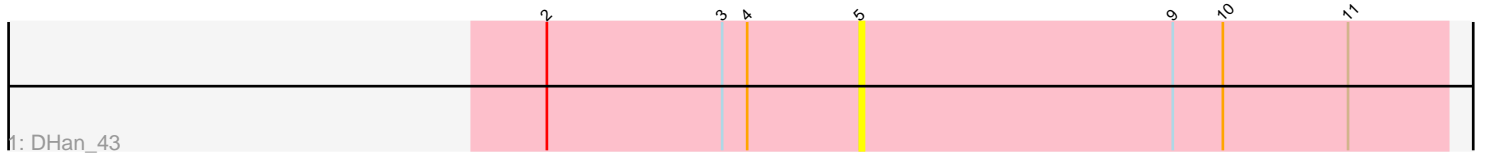


Pham 296992



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 296992 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296992 has 19 members, 16 are drafts.

Phages represented in each track:

- Track 1 : DHan_43
- Track 2 : Claus_42
- Track 3 : ZhongYanYuan_40
- Track 4 : SoJulia_43, OverPar_43, Soap141_42, Sarshaun_42, Hafay_42, Lynnae_42
- Track 5 : Bazzle_42
- Track 6 : DanBing_41
- Track 7 : Baoshan_41
- Track 8 : Kropertea_39
- Track 9 : BrainDrainer_40, FarmResident_40, PYPDinur_39, ChutneyChips_39, Douzhi_39
- Track 10 : Quby_40

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

The start number called the most often in the published annotations is 5, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bazzle_42, DHan_43, DanBing_41, Hafay_42, Lynnae_42, OverPar_43, Sarshaun_42, SoJulia_43, Soap141_42, ZhongYanYuan_40,

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

- Baoshan_41, Claus_42,

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

- BrainDrainer_40, ChutneyChips_39, Douzhi_39, FarmResident_40, Kropertea_39, PYPDinur_39, Quby_40,

Summary by start number:

Start 3:

- Found in 17 of 19 (89.5%) of genes in pham
- Manual Annotations of this start: 1 of 3

- Called 5.9% of time when present
- Phage (with cluster) where this start called: Claus_42 (L2),

Start 4:

- Found in 12 of 19 (63.2%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 8.3% of time when present
- Phage (with cluster) where this start called: Baoshan_41 (L2),

Start 5:

- Found in 12 of 19 (63.2%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Bazzle_42 (L2), DHan_43 (L2), DanBing_41 (L2), Hafay_42 (L2), Lynnae_42 (L2), OverPar_43 (L2), Sarshaun_42 (L2), SoJulia_43 (L2), Soap141_42 (L2), ZhongYanYuan_40 (L2),

Start 7:

- Found in 7 of 19 (36.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BrainDrainer_40 (L4), ChutneyChips_39 (L4), Douzhi_39 (L4), FarmResident_40 (L4), Kropertea_39 (L4), PYPDinur_39 (L4), Quby_40 (L4),

Summary by clusters:

There are 2 clusters represented in this pham: L4, L2,

Info for manual annotations of cluster L2:

- Start number 3 was manually annotated 1 time for cluster L2.
- Start number 4 was manually annotated 1 time for cluster L2.
- Start number 5 was manually annotated 1 time for cluster L2.

Gene Information:

Gene: Baoshan_41 Start: 34603, Stop: 34770, Start Num: 4

Candidate Starts for Baoshan_41:

(2, 34555), (Start: 3 @34597 has 1 MA's), (Start: 4 @34603 has 1 MA's), (Start: 5 @34630 has 1 MA's), (9, 34705), (10, 34717),

Gene: Bazzle_42 Start: 35005, Stop: 35145, Start Num: 5

Candidate Starts for Bazzle_42:

(2, 34930), (Start: 3 @34972 has 1 MA's), (Start: 5 @35005 has 1 MA's), (9, 35080), (10, 35092),

Gene: BrainDrainer_40 Start: 33711, Stop: 33842, Start Num: 7

Candidate Starts for BrainDrainer_40:

(2, 33615), (Start: 3 @33657 has 1 MA's), (7, 33711), (8, 33741), (9, 33765),

Gene: ChutneyChips_39 Start: 33708, Stop: 33839, Start Num: 7

Candidate Starts for ChutneyChips_39:
(2, 33612), (Start: 3 @33654 has 1 MA's), (7, 33708), (8, 33738), (9, 33762),

Gene: Claus_42 Start: 34755, Stop: 34928, Start Num: 3
Candidate Starts for Claus_42:
(2, 34713), (Start: 3 @34755 has 1 MA's), (Start: 4 @34761 has 1 MA's), (Start: 5 @34788 has 1 MA's), (9, 34863), (10, 34875), (11, 34905),

Gene: DHan_43 Start: 34729, Stop: 34869, Start Num: 5
Candidate Starts for DHan_43:
(2, 34654), (Start: 3 @34696 has 1 MA's), (Start: 4 @34702 has 1 MA's), (Start: 5 @34729 has 1 MA's), (9, 34804), (10, 34816), (11, 34846),

Gene: DanBing_41 Start: 34621, Stop: 34761, Start Num: 5
Candidate Starts for DanBing_41:
(2, 34546), (Start: 3 @34588 has 1 MA's), (Start: 4 @34594 has 1 MA's), (Start: 5 @34621 has 1 MA's), (9, 34696), (10, 34708),

Gene: Douzhi_39 Start: 33572, Stop: 33703, Start Num: 7
Candidate Starts for Douzhi_39:
(2, 33476), (Start: 3 @33518 has 1 MA's), (7, 33572), (8, 33602), (9, 33626),

Gene: FarmResident_40 Start: 33510, Stop: 33641, Start Num: 7
Candidate Starts for FarmResident_40:
(2, 33414), (Start: 3 @33456 has 1 MA's), (7, 33510), (8, 33540), (9, 33564),

Gene: Hafay_42 Start: 34803, Stop: 34943, Start Num: 5
Candidate Starts for Hafay_42:
(2, 34728), (Start: 3 @34770 has 1 MA's), (Start: 4 @34776 has 1 MA's), (Start: 5 @34803 has 1 MA's), (6, 34815), (9, 34878), (10, 34890),

Gene: Kropertea_39 Start: 33623, Stop: 33742, Start Num: 7
Candidate Starts for Kropertea_39:
(1, 33428), (2, 33527), (Start: 4 @33575 has 1 MA's), (7, 33623), (8, 33653), (9, 33677),

Gene: Lynnae_42 Start: 34758, Stop: 34898, Start Num: 5
Candidate Starts for Lynnae_42:
(2, 34683), (Start: 3 @34725 has 1 MA's), (Start: 4 @34731 has 1 MA's), (Start: 5 @34758 has 1 MA's), (6, 34770), (9, 34833), (10, 34845),

Gene: OverPar_43 Start: 34801, Stop: 34941, Start Num: 5
Candidate Starts for OverPar_43:
(2, 34726), (Start: 3 @34768 has 1 MA's), (Start: 4 @34774 has 1 MA's), (Start: 5 @34801 has 1 MA's), (6, 34813), (9, 34876), (10, 34888),

Gene: PYPDinur_39 Start: 33572, Stop: 33703, Start Num: 7
Candidate Starts for PYPDinur_39:
(2, 33476), (Start: 3 @33518 has 1 MA's), (7, 33572), (8, 33602), (9, 33626),

Gene: Quby_40 Start: 33466, Stop: 33597, Start Num: 7
Candidate Starts for Quby_40:
(2, 33370), (7, 33466), (8, 33496), (9, 33520),

Gene: Sarshaun_42 Start: 34803, Stop: 34943, Start Num: 5

Candidate Starts for Sarshaun_42:

(2, 34728), (Start: 3 @34770 has 1 MA's), (Start: 4 @34776 has 1 MA's), (Start: 5 @34803 has 1 MA's), (6, 34815), (9, 34878), (10, 34890),

Gene: SoJulia_43 Start: 35029, Stop: 35169, Start Num: 5

Candidate Starts for SoJulia_43:

(2, 34954), (Start: 3 @34996 has 1 MA's), (Start: 4 @35002 has 1 MA's), (Start: 5 @35029 has 1 MA's), (6, 35041), (9, 35104), (10, 35116),

Gene: Soap141_42 Start: 34803, Stop: 34943, Start Num: 5

Candidate Starts for Soap141_42:

(2, 34728), (Start: 3 @34770 has 1 MA's), (Start: 4 @34776 has 1 MA's), (Start: 5 @34803 has 1 MA's), (6, 34815), (9, 34878), (10, 34890),

Gene: ZhongYanYuan_40 Start: 34630, Stop: 34770, Start Num: 5

Candidate Starts for ZhongYanYuan_40:

(2, 34555), (Start: 3 @34597 has 1 MA's), (Start: 4 @34603 has 1 MA's), (Start: 5 @34630 has 1 MA's), (10, 34717),