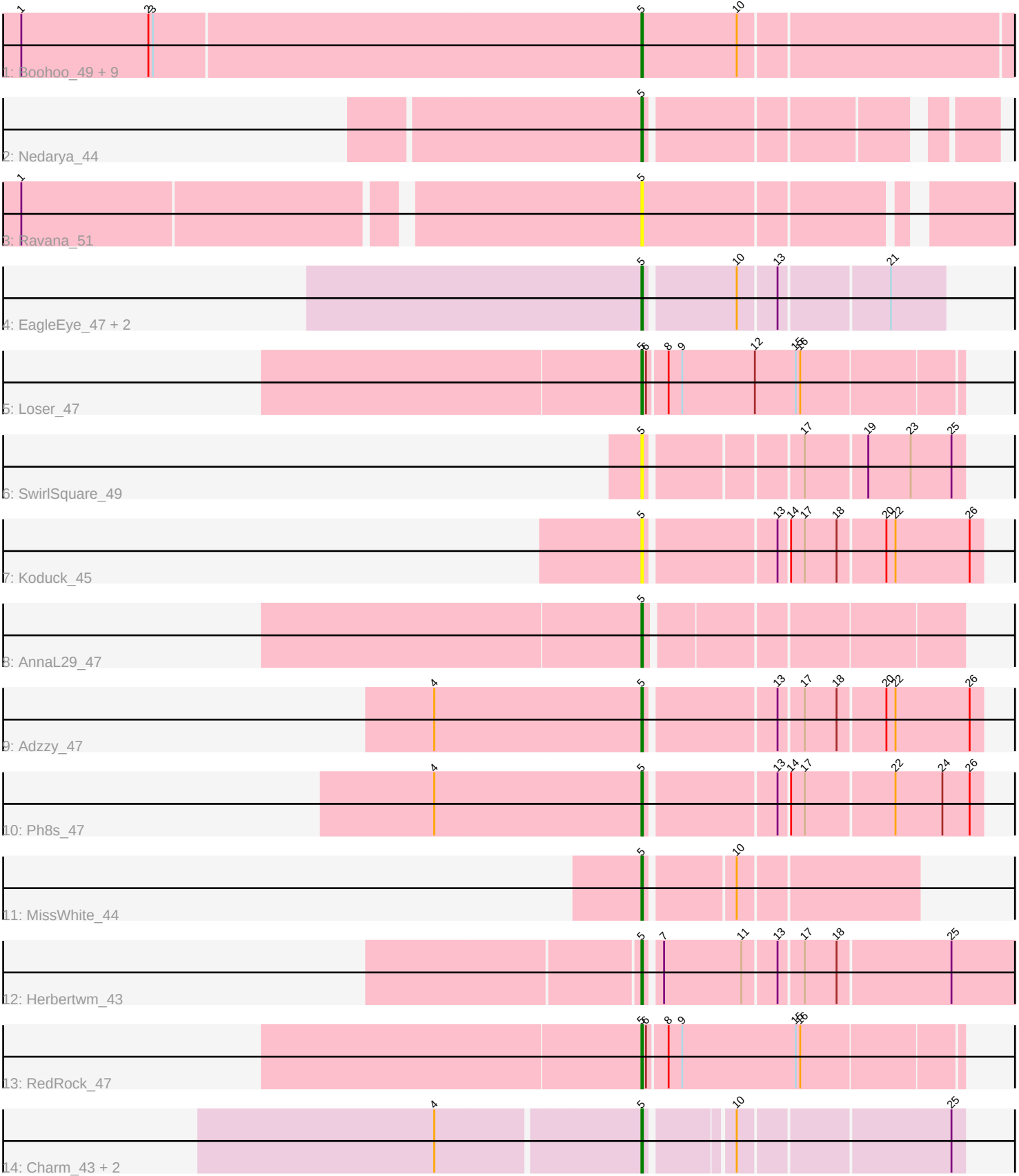


Pham 280770



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 280770 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280770 has 27 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Boohoo_49, DekHockey33_49, Soups_49, Anaysia_49, KatherineG_50, ShayRa_50, LastResort_48, Looper_49, ReMo_48, Nebulosus_48
- Track 2 : Nedarya_44
- Track 3 : Ravana_51
- Track 4 : EagleEye_47, Lucyedi_46, PainterBoy_46
- Track 5 : Loser_47
- Track 6 : SwirlSquare_49
- Track 7 : Koduck_45
- Track 8 : AnnaL29_47
- Track 9 : Adzzy_47
- Track 10 : Ph8s_47
- Track 11 : MissWhite_44
- Track 12 : Herbertwm_43
- Track 13 : RedRock_47
- Track 14 : Charm_43, DreamTeam1_43, Klodlith_44

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 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adzzy_47, Anaysia_49, AnnaL29_47, Boohoo_49, Charm_43, DekHockey33_49, DreamTeam1_43, EagleEye_47, Herbertwm_43, KatherineG_50, Klodlith_44, Koduck_45, LastResort_48, Looper_49, Loser_47, Lucyedi_46, MissWhite_44, Nebulosus_48, Nedarya_44, PainterBoy_46, Ph8s_47, Ravana_51, ReMo_48, RedRock_47, ShayRa_50, Soups_49, SwirlSquare_49,

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

-

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

-

Summary by start number:

Start 5:

- Found in 27 of 27 (100.0%) of genes in pham
- Manual Annotations of this start: 23 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adzzy_47 (A2), Anaysia_49 (A15), AnnaL29_47 (A2), Boohoo_49 (A15), Charm_43 (A9), DekHockey33_49 (A15), DreamTeam1_43 (A9), EagleEye_47 (A16), Herbertwm_43 (A2), KatherineG_50 (A15), Klodlith_44 (A9), Koduck_45 (A2), LastResort_48 (A15), Looper_49 (A15), Loser_47 (A2), Lucyedi_46 (A16), MissWhite_44 (A2), Nebulosus_48 (A15), Nedarya_44 (A15), PainterBoy_46 (A16), Ph8s_47 (A2), Ravana_51 (A15), ReMo_48 (A15), RedRock_47 (A2), ShayRa_50 (A15), Soups_49 (A15), SwirlSquare_49 (A2),

Summary by clusters:

There are 4 clusters represented in this pham: A15, A9, A2, A16,

Info for manual annotations of cluster A15:

- Start number 5 was manually annotated 11 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 5 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A2:

- Start number 5 was manually annotated 7 times for cluster A2.

Info for manual annotations of cluster A9:

- Start number 5 was manually annotated 2 times for cluster A9.

Gene Information:

Gene: Adzzy_47 Start: 30308, Stop: 30099, Start Num: 5

Candidate Starts for Adzzy_47:

(4, 30443), (Start: 5 @30308 has 23 MA's), (13, 30227), (17, 30212), (18, 30191), (20, 30161), (22, 30155), (26, 30107),

Gene: Anaysia_49 Start: 30563, Stop: 30327, Start Num: 5

Candidate Starts for Anaysia_49:

(1, 30968), (2, 30884), (3, 30881), (Start: 5 @30563 has 23 MA's), (10, 30500),

Gene: AnnaL29_47 Start: 32518, Stop: 32324, Start Num: 5

Candidate Starts for AnnaL29_47:

(Start: 5 @32518 has 23 MA's),

Gene: Boohoo_49 Start: 30563, Stop: 30327, Start Num: 5

Candidate Starts for Boohoo_49:

(1, 30968), (2, 30884), (3, 30881), (Start: 5 @30563 has 23 MA's), (10, 30500),

Gene: Charm_43 Start: 31035, Stop: 30844, Start Num: 5

Candidate Starts for Charm_43:

(4, 31164), (Start: 5 @31035 has 23 MA's), (10, 30984), (25, 30852),

Gene: DekHockey33_49 Start: 30778, Stop: 30542, Start Num: 5

Candidate Starts for DekHockey33_49:

(1, 31183), (2, 31099), (3, 31096), (Start: 5 @30778 has 23 MA's), (10, 30715),

Gene: DreamTeam1_43 Start: 30909, Stop: 30718, Start Num: 5

Candidate Starts for DreamTeam1_43:

(4, 31038), (Start: 5 @30909 has 23 MA's), (10, 30858), (25, 30726),

Gene: EagleEye_47 Start: 30973, Stop: 30788, Start Num: 5

Candidate Starts for EagleEye_47:

(Start: 5 @30973 has 23 MA's), (10, 30916), (13, 30892), (21, 30823),

Gene: Herbertwm_43 Start: 30942, Stop: 30700, Start Num: 5

Candidate Starts for Herbertwm_43:

(Start: 5 @30942 has 23 MA's), (7, 30933), (11, 30882), (13, 30861), (17, 30846), (18, 30825), (25, 30753),

Gene: KatherineG_50 Start: 30778, Stop: 30542, Start Num: 5

Candidate Starts for KatherineG_50:

(1, 31183), (2, 31099), (3, 31096), (Start: 5 @30778 has 23 MA's), (10, 30715),

Gene: Klodlith_44 Start: 30926, Stop: 30735, Start Num: 5

Candidate Starts for Klodlith_44:

(4, 31055), (Start: 5 @30926 has 23 MA's), (10, 30875), (25, 30743),

Gene: Koduck_45 Start: 30554, Stop: 30345, Start Num: 5

Candidate Starts for Koduck_45:

(Start: 5 @30554 has 23 MA's), (13, 30473), (14, 30467), (17, 30458), (18, 30437), (20, 30407), (22, 30401), (26, 30353),

Gene: LastResort_48 Start: 30339, Stop: 30103, Start Num: 5

Candidate Starts for LastResort_48:

(1, 30744), (2, 30660), (3, 30657), (Start: 5 @30339 has 23 MA's), (10, 30276),

Gene: Looper_49 Start: 30316, Stop: 30080, Start Num: 5

Candidate Starts for Looper_49:

(1, 30721), (2, 30637), (3, 30634), (Start: 5 @30316 has 23 MA's), (10, 30253),

Gene: Loser_47 Start: 32467, Stop: 32264, Start Num: 5

Candidate Starts for Loser_47:

(Start: 5 @32467 has 23 MA's), (6, 32464), (8, 32452), (9, 32443), (12, 32395), (15, 32368), (16, 32365),

Gene: Lucyedi_46 Start: 31168, Stop: 30983, Start Num: 5

Candidate Starts for Lucyedi_46:

(Start: 5 @31168 has 23 MA's), (10, 31111), (13, 31087), (21, 31018),

Gene: MissWhite_44 Start: 29921, Stop: 29754, Start Num: 5

Candidate Starts for MissWhite_44:

(Start: 5 @29921 has 23 MA's), (10, 29867),

Gene: Nebulosus_48 Start: 30335, Stop: 30099, Start Num: 5

Candidate Starts for Nebulosus_48:

(1, 30740), (2, 30656), (3, 30653), (Start: 5 @30335 has 23 MA's), (10, 30272),

Gene: Nedarya_44 Start: 29716, Stop: 29513, Start Num: 5

Candidate Starts for Nedarya_44:

(Start: 5 @29716 has 23 MA's),

Gene: PainterBoy_46 Start: 31104, Stop: 30919, Start Num: 5

Candidate Starts for PainterBoy_46:

(Start: 5 @31104 has 23 MA's), (10, 31047), (13, 31023), (21, 30954),

Gene: Ph8s_47 Start: 30743, Stop: 30534, Start Num: 5

Candidate Starts for Ph8s_47:

(4, 30878), (Start: 5 @30743 has 23 MA's), (13, 30662), (14, 30656), (17, 30647), (22, 30590), (24, 30560), (26, 30542),

Gene: Ravana_51 Start: 30946, Stop: 30728, Start Num: 5

Candidate Starts for Ravana_51:

(1, 31333), (Start: 5 @30946 has 23 MA's),

Gene: ReMo_48 Start: 30336, Stop: 30100, Start Num: 5

Candidate Starts for ReMo_48:

(1, 30741), (2, 30657), (3, 30654), (Start: 5 @30336 has 23 MA's), (10, 30273),

Gene: RedRock_47 Start: 32680, Stop: 32477, Start Num: 5

Candidate Starts for RedRock_47:

(Start: 5 @32680 has 23 MA's), (6, 32677), (8, 32665), (9, 32656), (15, 32581), (16, 32578),

Gene: ShayRa_50 Start: 30540, Stop: 30304, Start Num: 5

Candidate Starts for ShayRa_50:

(1, 30945), (2, 30861), (3, 30858), (Start: 5 @30540 has 23 MA's), (10, 30477),

Gene: Soups_49 Start: 30539, Stop: 30303, Start Num: 5

Candidate Starts for Soups_49:

(1, 30944), (2, 30860), (3, 30857), (Start: 5 @30539 has 23 MA's), (10, 30476),

Gene: SwirlSquare_49 Start: 30451, Stop: 30257, Start Num: 5

Candidate Starts for SwirlSquare_49:

(Start: 5 @30451 has 23 MA's), (17, 30358), (19, 30319), (23, 30292), (25, 30265),