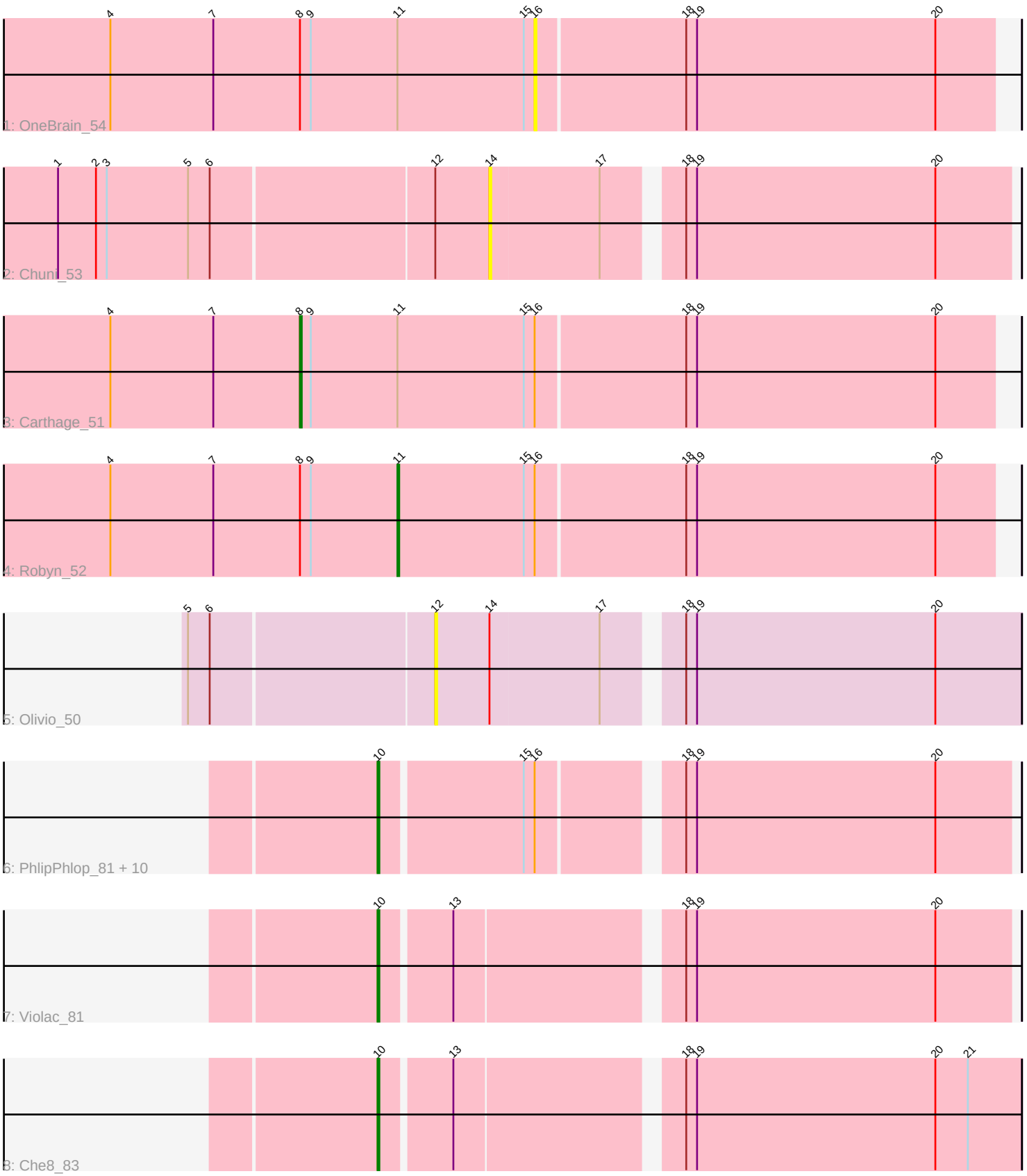
Pham 287140


1: OneBrain_54
2: Chunt_53
3: Carthage_51
4: Robyn_52
5: Olivio_50
6: PhlipPhlop_81 + 10
7: Violac_81
8: Che8_83

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 287140 Report

This analysis was run 03/28/26 on database version 641.

Pham number 287140 has 18 members, 5 are drafts.

Phages represented in each track:
• Track 1 : OneBrain_54
• Track 2 : Chuni_53
• Track 3 : Carthage_51
• Track 4 : Robyn_52
• Track 5 : Olivio_50
• Track 6 : PhlipPhlop_81, Vivum_80, EmiMonkey_80, GigiOuiOui_74, Peridot_84, Fastidio_80, Starcevich_80, LilMoolah_78, LittleShirley_86, Nivrat_76, Totinger_82
• Track 7 : Violac_81
• Track 8 : Che8_83

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

The start number called the most often in the published annotations is 10, it was called in 11 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Che8_83, EmiMonkey_80, Fastidio_80, GigiOuiOui_74, LilMoolah_78, LittleShirley_86, Nivrat_76, Peridot_84, PhlipPhlop_81, Starcevich_80, Totinger_82, Violac_81, Vivum_80,

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

Genes that do not have the "Most Annotated" start:
• Carthage_51, Chuni_53, Olivio_50, OneBrain_54, Robyn_52,

Summary by start number:

Start 8:
• Found in 3 of 18 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Carthage_51 (B1),

Start 10:
• Found in 13 of 18 (72.2%) of genes in pham
• Manual Annotations of this start: 11 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Che8_83 (F1), EmiMonkey_80 (F1), Fastidio_80 (F1), GigiOuiOui_74 (F1), LilMoolah_78 (F1), LittleShirley_86 (F1), Nivrat_76 (F1), Peridot_84 (F1), PhlipPhlop_81 (F1), Starcevich_80 (F1), Totinger_82 (F1), Violac_81 (F1), Vivum_80 (F1),

Start 11:
• Found in 3 of 18 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Robyn_52 (B1),

Start 12:
• Found in 2 of 18 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Olivio_50 (B3),

Start 14:
• Found in 2 of 18 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Chuni_53 (B1),

Start 16:
• Found in 14 of 18 (77.8%) of genes in pham
• No Manual Annotations of this start.
• Called 7.1% of time when present
• Phage (with cluster) where this start called: OneBrain_54 (B1),

Summary by clusters:

There are 3 clusters represented in this pham: F1, B1, B3,

Info for manual annotations of cluster B1:
•Start number 8 was manually annotated 1 time for cluster B1.
•Start number 11 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster F1:
•Start number 10 was manually annotated 11 times for cluster F1.

Gene Information:

Gene: Carthage_51 Start: 46401, Stop: 46021, Start Num: 8
Candidate Starts for Carthage_51:
(4, 46506), (7, 46449), (Start: 8 @46401 has 1 MA's), (9, 46395), (Start: 11 @46347 has 1 MA's), (15, 46278), (16, 46272), (18, 46191), (19, 46185), (20, 46053),

Gene: Che8_83 Start: 48984, Stop: 49319, Start Num: 10
Candidate Starts for Che8_83:
(Start: 10 @48984 has 11 MA's), (13, 49020), (18, 49134), (19, 49140), (20, 49272), (21, 49290),

Gene: Chuni_53 Start: 47756, Stop: 47481, Start Num: 14
Candidate Starts for Chuni_53:
(1, 47990), (2, 47969), (3, 47963), (5, 47918), (6, 47906), (12, 47786), (14, 47756), (17, 47696), (18, 47660), (19, 47654), (20, 47522),

Gene: EmiMonkey_80 Start: 52533, Stop: 52862, Start Num: 10
Candidate Starts for EmiMonkey_80:
(Start: 10 @52533 has 11 MA's), (15, 52608), (16, 52614), (18, 52683), (19, 52689), (20, 52821),

Gene: Fastidio_80 Start: 45795, Stop: 46124, Start Num: 10
Candidate Starts for Fastidio_80:
(Start: 10 @45795 has 11 MA's), (15, 45870), (16, 45876), (18, 45945), (19, 45951), (20, 46083),

Gene: GigiOuiOui_74 Start: 47391, Stop: 47720, Start Num: 10
Candidate Starts for GigiOuiOui_74:
(Start: 10 @47391 has 11 MA's), (15, 47466), (16, 47472), (18, 47541), (19, 47547), (20, 47679),

Gene: LilMoolah_78 Start: 48539, Stop: 48874, Start Num: 10
Candidate Starts for LilMoolah_78:
(Start: 10 @48539 has 11 MA's), (15, 48614), (16, 48620), (18, 48689), (19, 48695), (20, 48827),

Gene: LittleShirley_86 Start: 49468, Stop: 49797, Start Num: 10
Candidate Starts for LittleShirley_86:
(Start: 10 @49468 has 11 MA's), (15, 49543), (16, 49549), (18, 49618), (19, 49624), (20, 49756),

Gene: Nivrat_76 Start: 48412, Stop: 48747, Start Num: 10
Candidate Starts for Nivrat_76:
(Start: 10 @48412 has 11 MA's), (15, 48487), (16, 48493), (18, 48562), (19, 48568), (20, 48700),

Gene: Olivio_50 Start: 45330, Stop: 45019, Start Num: 12
Candidate Starts for Olivio_50:
(5, 45462), (6, 45450), (12, 45330), (14, 45300), (17, 45240), (18, 45204), (19, 45198), (20, 45066),

Gene: OneBrain_54 Start: 47041, Stop: 46790, Start Num: 16
Candidate Starts for OneBrain_54:
(4, 47275), (7, 47218), (Start: 8 @47170 has 1 MA's), (9, 47164), (Start: 11 @47116 has 1 MA's), (15, 47047), (16, 47041), (18, 46960), (19, 46954), (20, 46822),

Gene: Peridot_84 Start: 49183, Stop: 49512, Start Num: 10
Candidate Starts for Peridot_84:
(Start: 10 @49183 has 11 MA's), (15, 49258), (16, 49264), (18, 49333), (19, 49339), (20, 49471),

Gene: PhlipPhlop_81 Start: 52533, Stop: 52862, Start Num: 10
Candidate Starts for PhlipPhlop_81:
(Start: 10 @52533 has 11 MA's), (15, 52608), (16, 52614), (18, 52683), (19, 52689), (20, 52821),

Gene: Robyn_52 Start: 47008, Stop: 46682, Start Num: 11
Candidate Starts for Robyn_52:

(4, 47167), (7, 47110), (Start: 8 @47062 has 1 MA's), (9, 47056), (Start: 11 @47008 has 1 MA's), (15, 46939), (16, 46933), (18, 46852), (19, 46846), (20, 46714),

Gene: Starcevich_80 Start: 49749, Stop: 50078, Start Num: 10
Candidate Starts for Starcevich_80:
(Start: 10 @49749 has 11 MA's), (15, 49824), (16, 49830), (18, 49899), (19, 49905), (20, 50037),

Gene: Totinger_82 Start: 48545, Stop: 48874, Start Num: 10
Candidate Starts for Totinger_82:
(Start: 10 @48545 has 11 MA's), (15, 48620), (16, 48626), (18, 48695), (19, 48701), (20, 48833),

Gene: Violac_81 Start: 49810, Stop: 50139, Start Num: 10
Candidate Starts for Violac_81:
(Start: 10 @49810 has 11 MA's), (13, 49846), (18, 49960), (19, 49966), (20, 50098),

Gene: Vivum_80 Start: 50435, Stop: 50764, Start Num: 10
Candidate Starts for Vivum_80:
(Start: 10 @50435 has 11 MA's), (15, 50510), (16, 50516), (18, 50585), (19, 50591), (20, 50723),