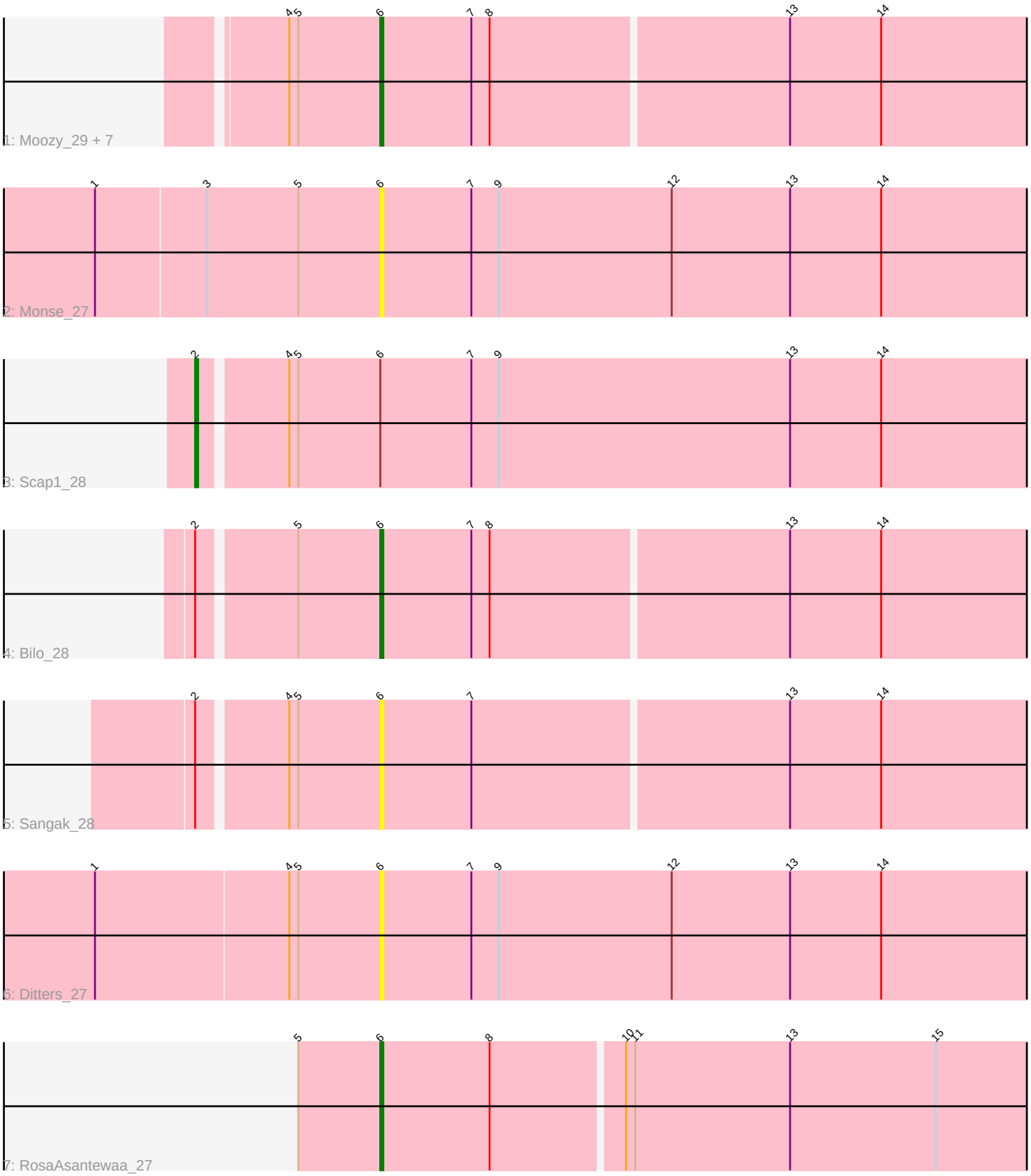
Pham 282565


1: Moozy_29 + 7
2: Monse_27
3: Scap1_28
4: Bilo_28
5: Sangak_28
6: Ditters_27
7: RosaAsantewaa_27

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 282565 Report

This analysis was run 02/23/26 on database version 636.

Pham number 282565 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Moozy_29, Doxi13_29, Annihilus_29, HotFries_27, PherryCruz_28, GoblinVoyage_29, SheRa_28, RavenPuff_28
• Track 2 : Monse_27
• Track 3 : Scap1_28
• Track 4 : Bilo_28
• Track 5 : Sangak_28
• Track 6 : Ditters_27
• Track 7 : RosaAsantewaa_27

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 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annihilus_29, Bilo_28, Ditters_27, Doxi13_29, GoblinVoyage_29, HotFries_27, Monse_27, Moozy_29, PherryCruz_28, RavenPuff_28, RosaAsantewaa_27, Sangak_28, SheRa_28,

Genes that have the "Most Annotated" start but do not call it:
• Scap1_28,

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

Summary by start number:

Start 2:
• Found in 3 of 14 (21.4%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Scap1_28 (BI2),

Start 6:

• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 92.9% of time when present
• Phage (with cluster) where this start called: Annihilus_29 (BI2), Bilo_28 (BI2), Ditters_27 (BI2), Doxi13_29 (BI2), GoblinVoyage_29 (BI2), HotFries_27 (BI2), Monse_27 (BI2), Moozy_29 (BI2), PherryCruz_28 (BI2), RavenPuff_28 (BI2), RosaAsantewaa_27 (BI2), Sangak_28 (BI2), SheRa_28 (BI2),

Summary by clusters:

There is one cluster represented in this pham: BI2

Info for manual annotations of cluster BI2:
•Start number 2 was manually annotated 1 time for cluster BI2.
•Start number 6 was manually annotated 10 times for cluster BI2.

Gene Information:

Gene: Annihilus_29 Start: 23803, Stop: 24042, Start Num: 6
Candidate Starts for Annihilus_29:
(4, 23773), (5, 23776), (Start: 6 @23803 has 10 MA's), (7, 23833), (8, 23839), (13, 23935), (14, 23965),

Gene: Bilo_28 Start: 24017, Stop: 24256, Start Num: 6
Candidate Starts for Bilo_28:
(Start: 2 @23960 has 1 MA's), (5, 23990), (Start: 6 @24017 has 10 MA's), (7, 24047), (8, 24053), (13, 24149), (14, 24179),

Gene: Ditters_27 Start: 23681, Stop: 23923, Start Num: 6
Candidate Starts for Ditters_27:
(1, 23588), (4, 23651), (5, 23654), (Start: 6 @23681 has 10 MA's), (7, 23711), (9, 23720), (12, 23777), (13, 23816), (14, 23846),

Gene: Doxi13_29 Start: 23766, Stop: 24005, Start Num: 6
Candidate Starts for Doxi13_29:
(4, 23736), (5, 23739), (Start: 6 @23766 has 10 MA's), (7, 23796), (8, 23802), (13, 23898), (14, 23928),

Gene: GoblinVoyage_29 Start: 23766, Stop: 24005, Start Num: 6
Candidate Starts for GoblinVoyage_29:
(4, 23736), (5, 23739), (Start: 6 @23766 has 10 MA's), (7, 23796), (8, 23802), (13, 23898), (14, 23928),

Gene: HotFries_27 Start: 23496, Stop: 23735, Start Num: 6
Candidate Starts for HotFries_27:
(4, 23466), (5, 23469), (Start: 6 @23496 has 10 MA's), (7, 23526), (8, 23532), (13, 23628), (14, 23658),

Gene: Monse_27 Start: 23232, Stop: 23474, Start Num: 6
Candidate Starts for Monse_27:
(1, 23139), (3, 23175), (5, 23205), (Start: 6 @23232 has 10 MA's), (7, 23262), (9, 23271), (12, 23328), (13, 23367), (14, 23397),

Gene: Moozy_29 Start: 23790, Stop: 24029, Start Num: 6
Candidate Starts for Moozy_29:

(4, 23760), (5, 23763), (Start: 6 @23790 has 10 MA's), (7, 23820), (8, 23826), (13, 23922), (14, 23952),

Gene: PherryCruz_28 Start: 23765, Stop: 24004, Start Num: 6
Candidate Starts for PherryCruz_28:
(4, 23735), (5, 23738), (Start: 6 @23765 has 10 MA's), (7, 23795), (8, 23801), (13, 23897), (14, 23927),

Gene: RavenPuff_28 Start: 23765, Stop: 24004, Start Num: 6
Candidate Starts for RavenPuff_28:
(4, 23735), (5, 23738), (Start: 6 @23765 has 10 MA's), (7, 23795), (8, 23801), (13, 23897), (14, 23927),

Gene: RosaAsantewaa_27 Start: 23272, Stop: 23511, Start Num: 6
Candidate Starts for RosaAsantewaa_27:
(5, 23245), (Start: 6 @23272 has 10 MA's), (8, 23308), (10, 23350), (11, 23353), (13, 23404), (15, 23452),

Gene: Sangak_28 Start: 23490, Stop: 23729, Start Num: 6
Candidate Starts for Sangak_28:
(Start: 2 @23433 has 1 MA's), (4, 23460), (5, 23463), (Start: 6 @23490 has 10 MA's), (7, 23520), (13, 23622), (14, 23652),

Gene: Scap1_28 Start: 23389, Stop: 23688, Start Num: 2
Candidate Starts for Scap1_28:
(Start: 2 @23389 has 1 MA's), (4, 23416), (5, 23419), (Start: 6 @23446 has 10 MA's), (7, 23476), (9, 23485), (13, 23581), (14, 23611),

Gene: SheRa_28 Start: 23497, Stop: 23736, Start Num: 6
Candidate Starts for SheRa_28:
(4, 23467), (5, 23470), (Start: 6 @23497 has 10 MA's), (7, 23527), (8, 23533), (13, 23629), (14, 23659),