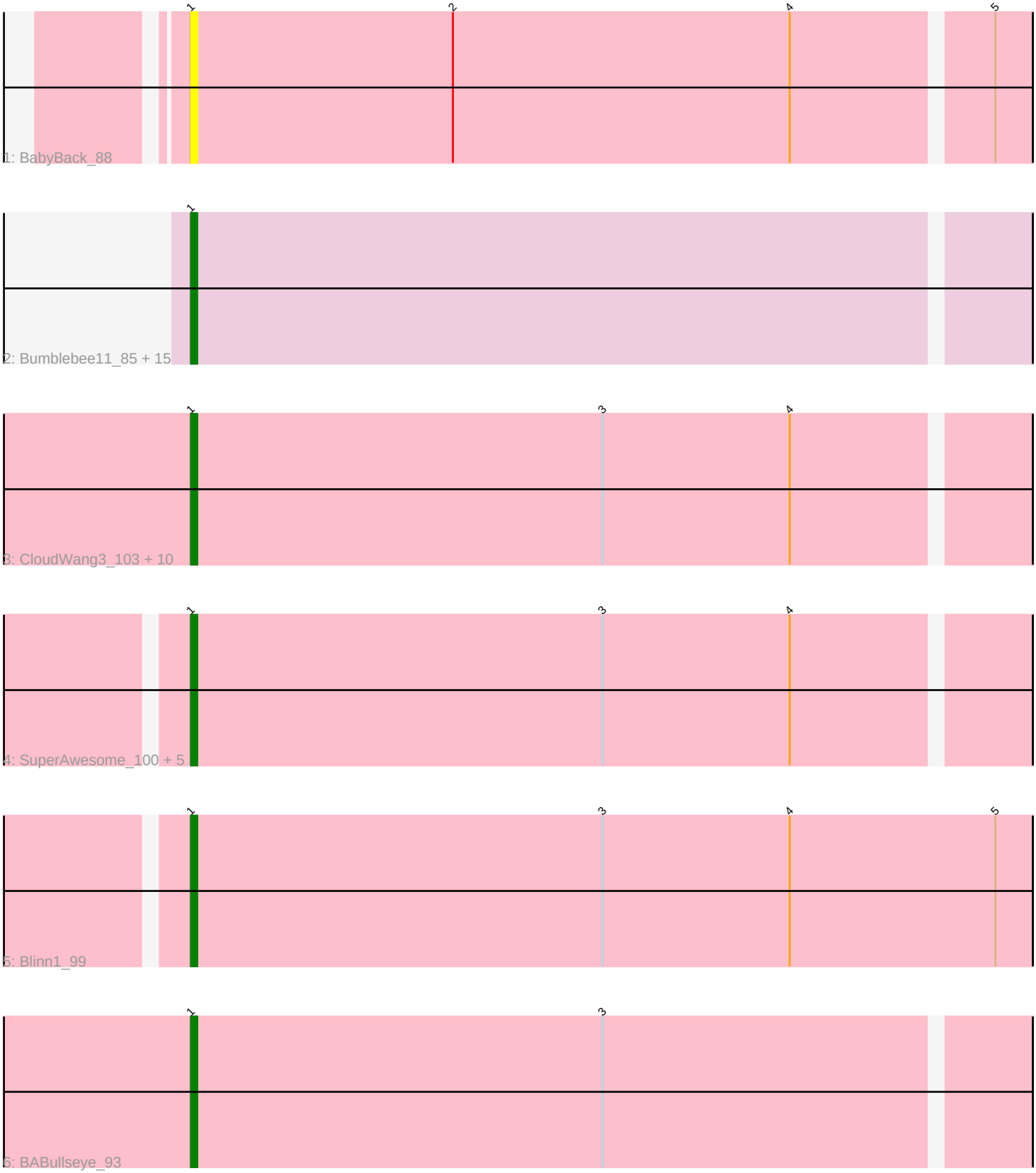
Pham 106457


1
2
4
5
1: BabyBack_88
1
2: Bumblebee11_85 + 15
1
3
4
3: CloudWang3_103 + 10
1
3
4
4: SuperAwesome_100 + 5
1
3
4
5
5: Blinn1_99
1
3
6: BABullseye_93

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 106457 Report

This analysis was run 04/28/24 on database version 559.

Pham number 106457 has 36 members, 3 are drafts.

Phages represented in each track:
• Track 1 : BabyBack_88
• Track 2 : Bumblebee11_85, Perplexer_85, Achebe_84, Xena_84, Shygu2_87, Datway_86, Backyardigan_83, Wizard007_85, Cici_85, Wile_84, Katalie136_85, Morpher26_85, Badger_84, PetiteSangsue_86, Roosevelt_86, AbbysRanger_85
• Track 3 : CloudWang3_103, Newrala_99, Hexamo_102, Candra_98, Kazan_101, Roksolana_103, Artemis2UCLA_102, VohminGhazi_100, Hoot_95, Jeffabunny_91, SmellyB_100
• Track 4 : SuperAwesome_100, Kipper29_100, Helmet_104, Jordennis_98, JewelBug_92, Pmask_99
• Track 5 : Blinn1_99
• Track 6 : BABullseye_93

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

The start number called the most often in the published annotations is 1, it was called in 33 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbysRanger_85, Achebe_84, Artemis2UCLA_102, BABullseye_93, BabyBack_88, Backyardigan_83, Badger_84, Blinn1_99, Bumblebee11_85, Candra_98, Cici_85, CloudWang3_103, Datway_86, Helmet_104, Hexamo_102, Hoot_95, Jeffabunny_91, JewelBug_92, Jordennis_98, Katalie136_85, Kazan_101, Kipper29_100, Morpher26_85, Newrala_99, Perplexer_85, PetiteSangsue_86, Pmask_99, Roksolana_103, Roosevelt_86, Shygu2_87, SmellyB_100, SuperAwesome_100, VohminGhazi_100, Wile_84, Wizard007_85, Xena_84,

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 1:
• Found in 36 of 36 (100.0%) of genes in pham
• Manual Annotations of this start: 33 of 33
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbysRanger_85 (A4), Achebe_84 (A4), Artemis2UCLA_102 (A6), BABullseye_93 (A6), BabyBack_88 (A2), Backyardigan_83 (A4), Badger_84 (A4), Blinn1_99 (A6), Bumblebee11_85 (A4), Candra_98 (A6), Cici_85 (A4), CloudWang3_103 (A6), Datway_86 (A4), Helmet_104 (A6), Hexamo_102 (A6), Hoot_95 (A6), Jeffabunny_91 (A6), JewelBug_92 (A6), Jordennis_98 (A6), Katalie136_85 (A4), Kazan_101 (A6), Kipper29_100 (A6), Morpher26_85 (A4), Newrala_99 (A6), Perplexer_85 (A4), PetiteSangsue_86 (A4), Pmask_99 (A6), Roksolana_103 (A6), Roosevelt_86 (A4), Shygu2_87 (A4), SmellyB_100 (A6), SuperAwesome_100 (A6), VohminGhazi_100 (A6), Wile_84 (A4), Wizard007_85 (A4), Xena_84 (A4),

Summary by clusters:

There are 3 clusters represented in this pham: A2, A4, A6,

Info for manual annotations of cluster A4:
•Start number 1 was manually annotated 16 times for cluster A4.

Info for manual annotations of cluster A6:
•Start number 1 was manually annotated 17 times for cluster A6.

Gene Information:

Gene: AbbysRanger_85 Start: 49921, Stop: 49790, Start Num: 1
Candidate Starts for AbbysRanger_85:
(Start: 1 @49921 has 33 MA's),

Gene: Achebe_84 Start: 50062, Stop: 49931, Start Num: 1
Candidate Starts for Achebe_84:
(Start: 1 @50062 has 33 MA's),

Gene: Artemis2UCLA_102 Start: 50452, Stop: 50321, Start Num: 1
Candidate Starts for Artemis2UCLA_102:
(Start: 1 @50452 has 33 MA's), (3, 50386), (4, 50356),

Gene: BABullseye_93 Start: 48590, Stop: 48459, Start Num: 1
Candidate Starts for BABullseye_93:
(Start: 1 @48590 has 33 MA's), (3, 48524),

Gene: BabyBack_88 Start: 51947, Stop: 51816, Start Num: 1
Candidate Starts for BabyBack_88:
(Start: 1 @51947 has 33 MA's), (2, 51905), (4, 51851), (5, 51821),

Gene: Backyardigan_83 Start: 49937, Stop: 49806, Start Num: 1
Candidate Starts for Backyardigan_83:
(Start: 1 @49937 has 33 MA's),

Gene: Badger_84 Start: 49903, Stop: 49772, Start Num: 1
Candidate Starts for Badger_84:
(Start: 1 @49903 has 33 MA's),

Gene: Blinn1_99 Start: 50189, Stop: 50055, Start Num: 1
Candidate Starts for Blinn1_99:
(Start: 1 @50189 has 33 MA's), (3, 50123), (4, 50093), (5, 50060),

Gene: Bumblebee11_85 Start: 49903, Stop: 49772, Start Num: 1
Candidate Starts for Bumblebee11_85:
(Start: 1 @49903 has 33 MA's),

Gene: Candra_98 Start: 50298, Stop: 50167, Start Num: 1
Candidate Starts for Candra_98:
(Start: 1 @50298 has 33 MA's), (3, 50232), (4, 50202),

Gene: Cici_85 Start: 49916, Stop: 49785, Start Num: 1
Candidate Starts for Cici_85:
(Start: 1 @49916 has 33 MA's),

Gene: CloudWang3_103 Start: 50981, Stop: 50850, Start Num: 1
Candidate Starts for CloudWang3_103:
(Start: 1 @50981 has 33 MA's), (3, 50915), (4, 50885),

Gene: Datway_86 Start: 49933, Stop: 49802, Start Num: 1
Candidate Starts for Datway_86:
(Start: 1 @49933 has 33 MA's),

Gene: Helmet_104 Start: 50926, Stop: 50795, Start Num: 1
Candidate Starts for Helmet_104:
(Start: 1 @50926 has 33 MA's), (3, 50860), (4, 50830),

Gene: Hexamo_102 Start: 50467, Stop: 50336, Start Num: 1
Candidate Starts for Hexamo_102:
(Start: 1 @50467 has 33 MA's), (3, 50401), (4, 50371),

Gene: Hoot_95 Start: 48115, Stop: 47984, Start Num: 1
Candidate Starts for Hoot_95:
(Start: 1 @48115 has 33 MA's), (3, 48049), (4, 48019),

Gene: Jeffabunny_91 Start: 47070, Stop: 46939, Start Num: 1
Candidate Starts for Jeffabunny_91:
(Start: 1 @47070 has 33 MA's), (3, 47004), (4, 46974),

Gene: JewelBug_92 Start: 48637, Stop: 48506, Start Num: 1
Candidate Starts for JewelBug_92:
(Start: 1 @48637 has 33 MA's), (3, 48571), (4, 48541),

Gene: Jordennis_98 Start: 50541, Stop: 50410, Start Num: 1
Candidate Starts for Jordennis_98:
(Start: 1 @50541 has 33 MA's), (3, 50475), (4, 50445),

Gene: Katalie136_85 Start: 49903, Stop: 49772, Start Num: 1
Candidate Starts for Katalie136_85:
(Start: 1 @49903 has 33 MA's),

Gene: Kazan_101 Start: 50268, Stop: 50137, Start Num: 1
Candidate Starts for Kazan_101:
(Start: 1 @50268 has 33 MA's), (3, 50202), (4, 50172),

Gene: Kipper29_100 Start: 50316, Stop: 50185, Start Num: 1
Candidate Starts for Kipper29_100:
(Start: 1 @50316 has 33 MA's), (3, 50250), (4, 50220),

Gene: Morpher26_85 Start: 49924, Stop: 49793, Start Num: 1
Candidate Starts for Morpher26_85:
(Start: 1 @49924 has 33 MA's),

Gene: Newrala_99 Start: 50706, Stop: 50575, Start Num: 1
Candidate Starts for Newrala_99:
(Start: 1 @50706 has 33 MA's), (3, 50640), (4, 50610),

Gene: Perplexer_85 Start: 49904, Stop: 49773, Start Num: 1
Candidate Starts for Perplexer_85:
(Start: 1 @49904 has 33 MA's),

Gene: PetiteSangsue_86 Start: 49907, Stop: 49776, Start Num: 1
Candidate Starts for PetiteSangsue_86:
(Start: 1 @49907 has 33 MA's),

Gene: Pmask_99 Start: 50907, Stop: 50776, Start Num: 1
Candidate Starts for Pmask_99:
(Start: 1 @50907 has 33 MA's), (3, 50841), (4, 50811),

Gene: Roksolana_103 Start: 50810, Stop: 50679, Start Num: 1
Candidate Starts for Roksolana_103:
(Start: 1 @50810 has 33 MA's), (3, 50744), (4, 50714),

Gene: Roosevelt_86 Start: 50144, Stop: 50013, Start Num: 1
Candidate Starts for Roosevelt_86:
(Start: 1 @50144 has 33 MA's),

Gene: Shygu2_87 Start: 50061, Stop: 49930, Start Num: 1
Candidate Starts for Shygu2_87:
(Start: 1 @50061 has 33 MA's),

Gene: SmellyB_100 Start: 50262, Stop: 50131, Start Num: 1
Candidate Starts for SmellyB_100:
(Start: 1 @50262 has 33 MA's), (3, 50196), (4, 50166),

Gene: SuperAwesome_100 Start: 50946, Stop: 50815, Start Num: 1
Candidate Starts for SuperAwesome_100:
(Start: 1 @50946 has 33 MA's), (3, 50880), (4, 50850),

Gene: VohminGhazi_100 Start: 50263, Stop: 50132, Start Num: 1

Candidate Starts for VohminGhazi_100:
(Start: 1 @50263 has 33 MA's), (3, 50197), (4, 50167),

Gene: Wile_84 Start: 49933, Stop: 49802, Start Num: 1
Candidate Starts for Wile_84:
(Start: 1 @49933 has 33 MA's),

Gene: Wizard007_85 Start: 49659, Stop: 49528, Start Num: 1
Candidate Starts for Wizard007_85:
(Start: 1 @49659 has 33 MA's),

Gene: Xena_84 Start: 49941, Stop: 49810, Start Num: 1
Candidate Starts for Xena_84:
(Start: 1 @49941 has 33 MA's),