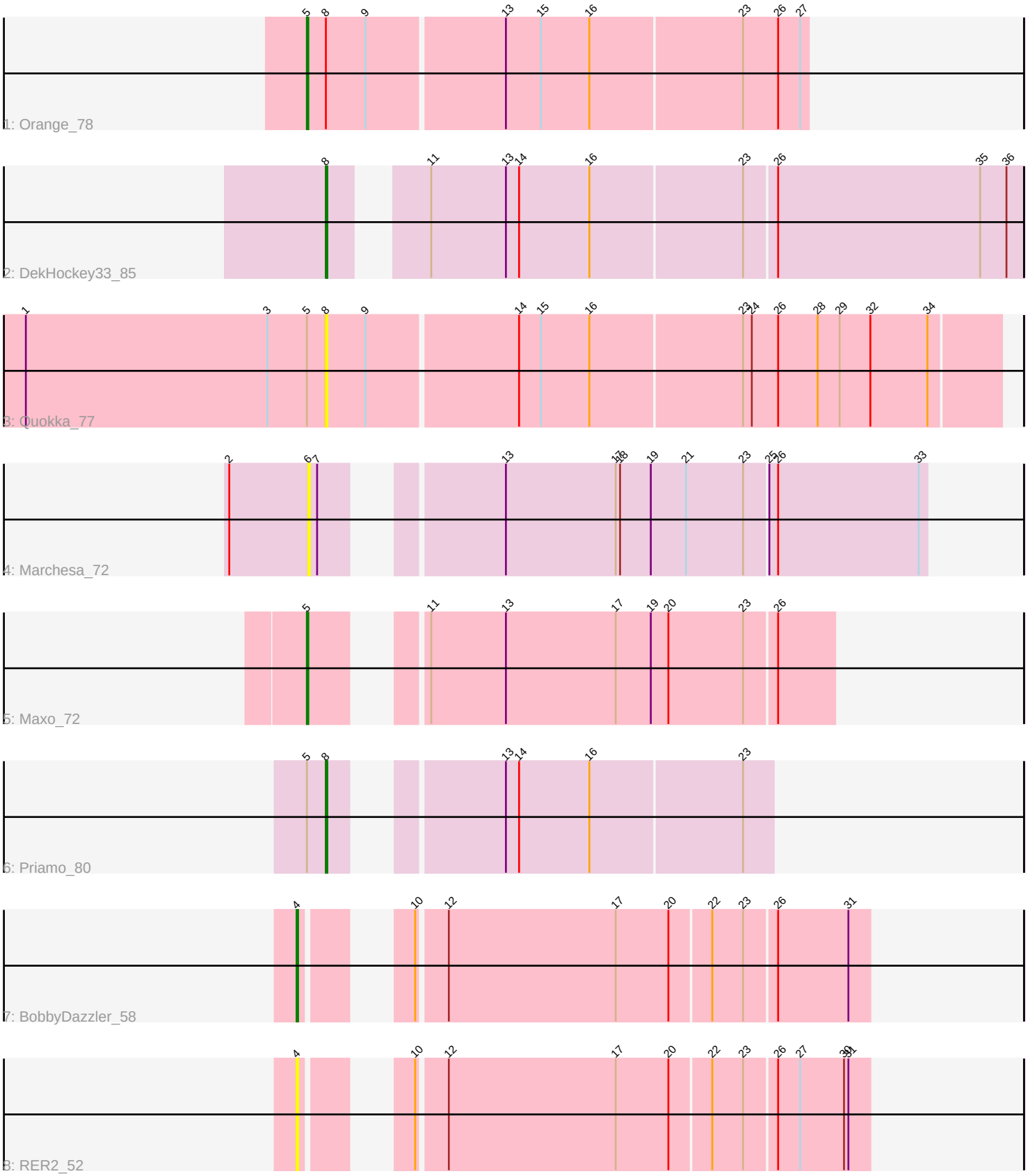
Pham 297306


5 8 9 13 15 16 23 26 27
1: Orange_78
8 11 13 14 16 23 26 35 36
2: DekHockey33_85
1 3 5 8 9 14 15 16 23 24 26 28 29 32 34
3: Quokka_77
2 6 7 13 17 18 19 21 23 25 26 33
4: Marchesa_72
5 11 13 17 19 20 23 26
5: Maxo_72
5 8 13 14 16 23
6: Priamo_80
4 10 12 17 20 22 23 26 31
7: BobbyDazzler_58
4 10 12 17 20 22 23 26 27 30 31
8: RER2_52

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 297306 Report

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

Pham number 297306 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Orange_78
• Track 2 : DekHockey33_85
• Track 3 : Quokka_77
• Track 4 : Marchesa_72
• Track 5 : Maxo_72
• Track 6 : Priamo_80
• Track 7 : BobbyDazzler_58
• Track 8 : RER2_52

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

The start number called the most often in the published annotations is 8, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DekHockey33_85, Priamo_80, Quokka_77,

Genes that have the "Most Annotated" start but do not call it:
• Orange_78,

Genes that do not have the "Most Annotated" start:
• BobbyDazzler_58, Marchesa_72, Maxo_72, RER2_52,

Summary by start number:

Start 4:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BobbyDazzler_58 (CA), RER2_52 (CA),

Start 5:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 5

• Called 50.0% of time when present
• Phage (with cluster) where this start called: Maxo_72 (A4), Orange_78 (A11),

Start 6:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Marchesa_72 (A3),

Start 8:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 75.0% of time when present
• Phage (with cluster) where this start called: DekHockey33_85 (A15), Priamo_80 (A6), Quokka_77 (A2),

Summary by clusters:

There are 7 clusters represented in this pham: A15, A11, CA, A3, A2, A4, A6,

Info for manual annotations of cluster A11:
•Start number 5 was manually annotated 1 time for cluster A11.

Info for manual annotations of cluster A15:
•Start number 8 was manually annotated 1 time for cluster A15.

Info for manual annotations of cluster A4:
•Start number 5 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A6:
•Start number 8 was manually annotated 1 time for cluster A6.

Info for manual annotations of cluster CA:
•Start number 4 was manually annotated 1 time for cluster CA.

Gene Information:

Gene: BobbyDazzler_58 Start: 40172, Stop: 39828, Start Num: 4
Candidate Starts for BobbyDazzler_58:
(Start: 4 @40172 has 1 MA's), (10, 40127), (12, 40109), (17, 39995), (20, 39959), (22, 39932), (23, 39911), (26, 39890), (31, 39842),

Gene: DekHockey33_85 Start: 45865, Stop: 45422, Start Num: 8
Candidate Starts for DekHockey33_85:
(Start: 8 @45865 has 2 MA's), (11, 45820), (13, 45769), (14, 45760), (16, 45712), (23, 45610), (26, 45589), (35, 45451), (36, 45433),

Gene: Marchesa_72 Start: 44610, Stop: 44227, Start Num: 6
Candidate Starts for Marchesa_72:

(2, 44664), (6, 44610), (7, 44604), (13, 44511), (17, 44436), (18, 44433), (19, 44412), (21, 44388), (23, 44349), (25, 44334), (26, 44328), (33, 44232),

Gene: Maxo_72 Start: 44173, Stop: 43853, Start Num: 5
Candidate Starts for Maxo_72:
(Start: 5 @44173 has 2 MA's), (11, 44125), (13, 44074), (17, 43999), (19, 43975), (20, 43963), (23, 43912), (26, 43891),

Gene: Orange_78 Start: 44911, Stop: 44579, Start Num: 5
Candidate Starts for Orange_78:
(Start: 5 @44911 has 2 MA's), (Start: 8 @44899 has 2 MA's), (9, 44872), (13, 44782), (15, 44758), (16, 44725), (23, 44623), (26, 44599), (27, 44584),

Gene: Priamo_80 Start: 44467, Stop: 44201, Start Num: 8
Candidate Starts for Priamo_80:
(Start: 5 @44479 has 2 MA's), (Start: 8 @44467 has 2 MA's), (13, 44380), (14, 44371), (16, 44323), (23, 44221),

Gene: Quokka_77 Start: 44822, Stop: 44373, Start Num: 8
Candidate Starts for Quokka_77:
(1, 45026), (3, 44861), (Start: 5 @44834 has 2 MA's), (Start: 8 @44822 has 2 MA's), (9, 44795), (14, 44696), (15, 44681), (16, 44648), (23, 44546), (24, 44540), (26, 44522), (28, 44495), (29, 44480), (32, 44459), (34, 44420),

Gene: RER2_52 Start: 36998, Stop: 36654, Start Num: 4
Candidate Starts for RER2_52:
(Start: 4 @36998 has 1 MA's), (10, 36953), (12, 36935), (17, 36821), (20, 36785), (22, 36758), (23, 36737), (26, 36716), (27, 36701), (30, 36671), (31, 36668),