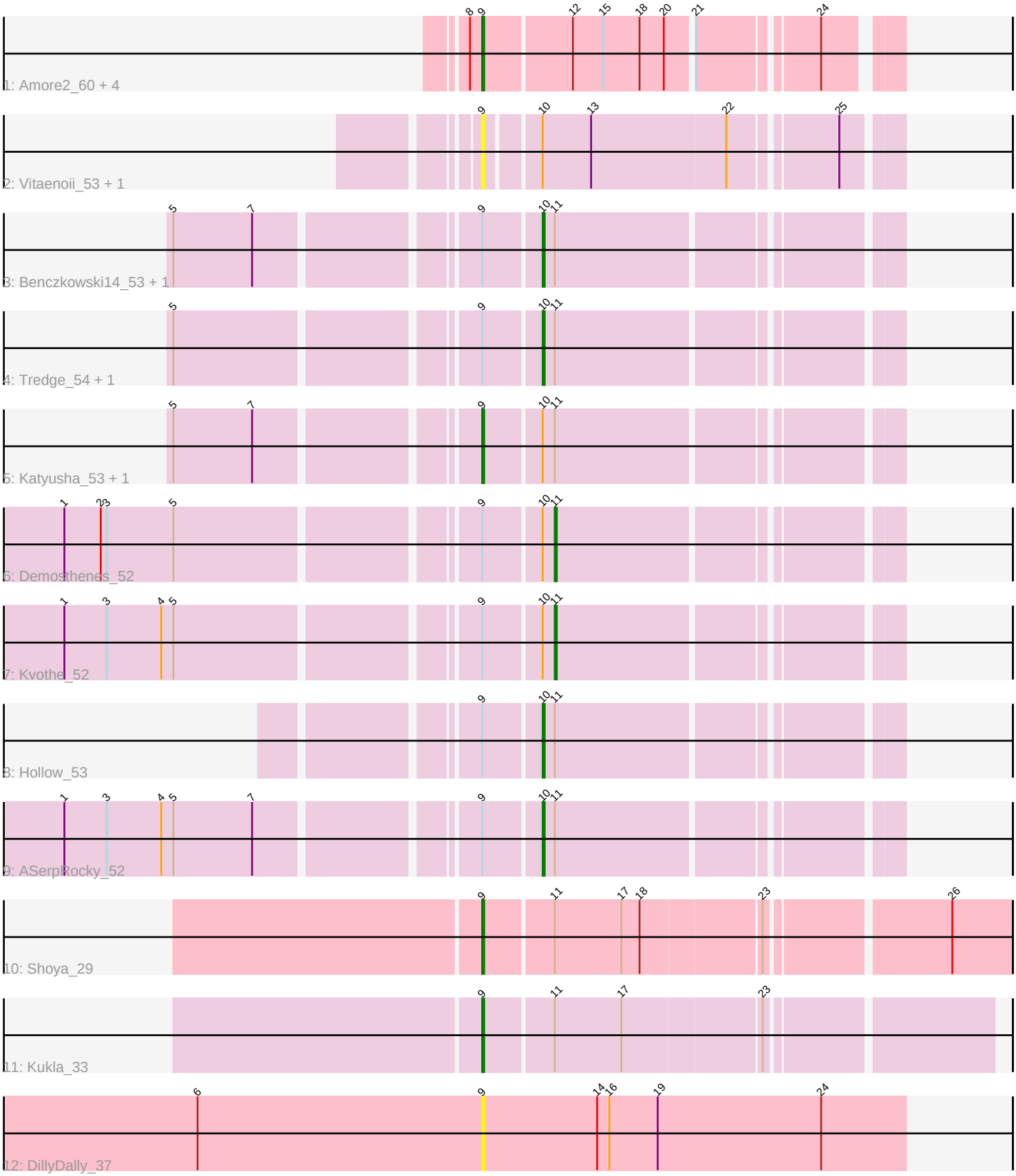
Pham 203325


8
9
12
15
18
20
21
24
1: Amore2_60 + 4
9
10
13
22
25
2: Vitaenoii_53 + 1
5
7
9
10
11
3: Benczkowski14_53 + 1
5
9
10
11
4: Tredge_54 + 1
5
7
9
10
11
5: Katyusha_53 + 1
1
23
5
9
10
11
6: Demosthenes_52
1
3
4
5
9
10
11
7: Kvothe_52
9
10
11
8: Hollow_53
1
3
4
5
7
9
10
11
9: ASerpRocky_52
9
11
17
18
23
26
10: Shoya_29
9
11
17
23
11: Kukla_33
6
9
14
16
19
24
12: DillyDally_37

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 203325 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203325 has 20 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Amore2_60, GMA7_49, HayZem_60, GTE7_48, Austin_59
• Track 2 : Vitaenoii_53, Philon9_53
• Track 3 : Benczkowski14_53, Niagara_53
• Track 4 : Tredge_54, Teatealatte_54
• Track 5 : Katyusha_53, Teech_53
• Track 6 : Demosthenes_52
• Track 7 : Kvothe_52
• Track 8 : Hollow_53
• Track 9 : ASerpRocky_52
• Track 10 : Shoya_29
• Track 11 : Kukla_33
• Track 12 : DillyDally_37

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 6 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASerpRocky_52, Benczkowski14_53, Hollow_53, Niagara_53, Teatealatte_54, Tredge_54,

Genes that have the "Most Annotated" start but do not call it:
• Demosthenes_52, Katyusha_53, Kvothe_52, Philon9_53, Teech_53, Vitaenoii_53,

Genes that do not have the "Most Annotated" start:
• Amore2_60, Austin_59, DillyDally_37, GMA7_49, GTE7_48, HayZem_60, Kukla_33, Shoya_29,

Summary by start number:

Start 9:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 14

• Called 60.0% of time when present
• Phage (with cluster) where this start called: Amore2_60 (CS1), Austin_59 (CS1), DillyDally_37 (singleton), GMA7_49 (CS1), GTE7_48 (CS1), HayZem_60 (CS1), Katyusha_53 (CS4), Kukla_33 (FJ), Philon9_53 (CS4), Shoya_29 (FB), Teech_53 (CS4), Vitaenoii_53 (CS4),

Start 10:
• Found in 12 of 20 (60.0%) of genes in pham
• Manual Annotations of this start: 6 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: ASerpRocky_52 (CS4), Benczkowski14_53 (CS4), Hollow_53 (CS4), Niagara_53 (CS4), Teatealatte_54 (CS4), Tredge_54 (CS4),

Start 11:
• Found in 12 of 20 (60.0%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Demosthenes_52 (CS4), Kvothe_52 (CS4),

Summary by clusters:

There are 5 clusters represented in this pham: CS4, FB, CS1, FJ, singleton,

Info for manual annotations of cluster CS1:
•Start number 9 was manually annotated 3 times for cluster CS1.

Info for manual annotations of cluster CS4:
•Start number 9 was manually annotated 1 time for cluster CS4.
•Start number 10 was manually annotated 6 times for cluster CS4.
•Start number 11 was manually annotated 2 times for cluster CS4.

Info for manual annotations of cluster FB:
•Start number 9 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FJ:
•Start number 9 was manually annotated 1 time for cluster FJ.

Gene Information:

Gene: ASerpRocky_52 Start: 50628, Stop: 50467, Start Num: 10
Candidate Starts for ASerpRocky_52:
(1, 50847), (3, 50826), (4, 50799), (5, 50793), (7, 50754), (Start: 9 @50655 has 6 MA's), (Start: 10 @50628 has 6 MA's), (Start: 11 @50622 has 2 MA's),

Gene: Amore2_60 Start: 50552, Stop: 50367, Start Num: 9
Candidate Starts for Amore2_60:
(8, 50558), (Start: 9 @50552 has 6 MA's), (12, 50510), (15, 50495), (18, 50477), (20, 50465), (21, 50453), (24, 50399),

Gene: Austin_59 Start: 50550, Stop: 50365, Start Num: 9
Candidate Starts for Austin_59:
(8, 50556), (Start: 9 @50550 has 6 MA's), (12, 50508), (15, 50493), (18, 50475), (20, 50463), (21, 50451), (24, 50397),

Gene: Benczkowski14_53 Start: 50899, Stop: 50738, Start Num: 10
Candidate Starts for Benczkowski14_53:
(5, 51064), (7, 51025), (Start: 9 @50926 has 6 MA's), (Start: 10 @50899 has 6 MA's), (Start: 11 @50893 has 2 MA's),

Gene: Demosthenes_52 Start: 50598, Stop: 50443, Start Num: 11
Candidate Starts for Demosthenes_52:
(1, 50823), (2, 50805), (3, 50802), (5, 50769), (Start: 9 @50631 has 6 MA's), (Start: 10 @50604 has 6 MA's), (Start: 11 @50598 has 2 MA's),

Gene: DillyDally_37 Start: 26012, Stop: 26221, Start Num: 9
Candidate Starts for DillyDally_37:
(6, 25871), (Start: 9 @26012 has 6 MA's), (14, 26069), (16, 26075), (19, 26099), (24, 26180),

Gene: GMA7_49 Start: 44766, Stop: 44581, Start Num: 9
Candidate Starts for GMA7_49:
(8, 44772), (Start: 9 @44766 has 6 MA's), (12, 44724), (15, 44709), (18, 44691), (20, 44679), (21, 44667), (24, 44613),

Gene: GTE7_48 Start: 44797, Stop: 44612, Start Num: 9
Candidate Starts for GTE7_48:
(8, 44803), (Start: 9 @44797 has 6 MA's), (12, 44755), (15, 44740), (18, 44722), (20, 44710), (21, 44698), (24, 44644),

Gene: HayZem_60 Start: 50549, Stop: 50364, Start Num: 9
Candidate Starts for HayZem_60:
(8, 50555), (Start: 9 @50549 has 6 MA's), (12, 50507), (15, 50492), (18, 50474), (20, 50462), (21, 50450), (24, 50396),

Gene: Hollow_53 Start: 51080, Stop: 50919, Start Num: 10
Candidate Starts for Hollow_53:
(Start: 9 @51107 has 6 MA's), (Start: 10 @51080 has 6 MA's), (Start: 11 @51074 has 2 MA's),

Gene: Katyusha_53 Start: 50926, Stop: 50738, Start Num: 9
Candidate Starts for Katyusha_53:
(5, 51064), (7, 51025), (Start: 9 @50926 has 6 MA's), (Start: 10 @50899 has 6 MA's), (Start: 11 @50893 has 2 MA's),

Gene: Kukla_33 Start: 26271, Stop: 26035, Start Num: 9
Candidate Starts for Kukla_33:
(Start: 9 @26271 has 6 MA's), (Start: 11 @26238 has 2 MA's), (17, 26205), (23, 26139),

Gene: Kvothe_52 Start: 50792, Stop: 50637, Start Num: 11
Candidate Starts for Kvothe_52:
(1, 51017), (3, 50996), (4, 50969), (5, 50963), (Start: 9 @50825 has 6 MA's), (Start: 10 @50798 has 6 MA's), (Start: 11 @50792 has 2 MA's),

Gene: Niagara_53 Start: 50889, Stop: 50728, Start Num: 10

Candidate Starts for Niagara_53:
(5, 51054), (7, 51015), (Start: 9 @50916 has 6 MA's), (Start: 10 @50889 has 6 MA's), (Start: 11 @50883 has 2 MA's),

Gene: Philon9_53 Start: 51773, Stop: 51585, Start Num: 9
Candidate Starts for Philon9_53:
(Start: 9 @51773 has 6 MA's), (Start: 10 @51749 has 6 MA's), (13, 51725), (22, 51659), (25, 51611),

Gene: Shoya_29 Start: 22392, Stop: 22147, Start Num: 9
Candidate Starts for Shoya_29:
(Start: 9 @22392 has 6 MA's), (Start: 11 @22359 has 2 MA's), (17, 22326), (18, 22317), (23, 22260), (26, 22176),

Gene: Teatealatte_54 Start: 50801, Stop: 50640, Start Num: 10
Candidate Starts for Teatealatte_54:
(5, 50966), (Start: 9 @50828 has 6 MA's), (Start: 10 @50801 has 6 MA's), (Start: 11 @50795 has 2 MA's),

Gene: Teech_53 Start: 50629, Stop: 50441, Start Num: 9
Candidate Starts for Teech_53:
(5, 50767), (7, 50728), (Start: 9 @50629 has 6 MA's), (Start: 10 @50602 has 6 MA's), (Start: 11 @50596 has 2 MA's),

Gene: Tredge_54 Start: 50801, Stop: 50640, Start Num: 10
Candidate Starts for Tredge_54:
(5, 50966), (Start: 9 @50828 has 6 MA's), (Start: 10 @50801 has 6 MA's), (Start: 11 @50795 has 2 MA's),

Gene: Vitaenoii_53 Start: 51772, Stop: 51584, Start Num: 9
Candidate Starts for Vitaenoii_53:
(Start: 9 @51772 has 6 MA's), (Start: 10 @51748 has 6 MA's), (13, 51724), (22, 51658), (25, 51610),