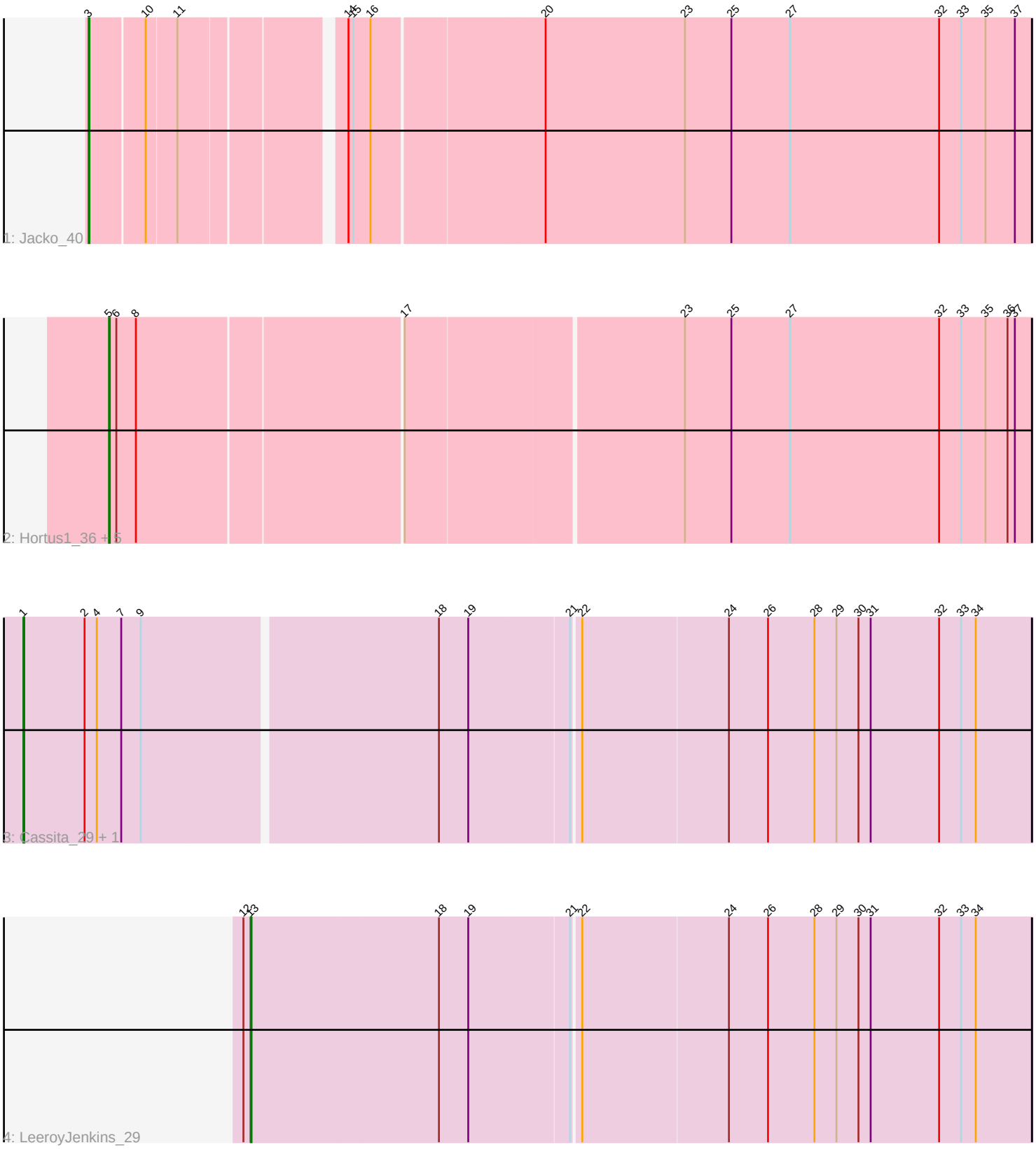
Pham 200850


3
10
11
14
15
16
20
23
25
27
32
33
35
37
1: Jacko_40
5
6
8
17
23
25
27
32
33
35
36
37
2: Hortus1_36 + 6
1
2
4
7
9
18
19
21
22
24
26
28
29
30
31
32
33
34
3: Cassita_29 + 1
12
13
18
19
21
22
24
26
28
29
30
31
32
33
34
4: LeeroyJenkins_29

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 200850 Report

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

Pham number 200850 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Jacko_40
• Track 2 : Hortus1_36, Tandem_36, Platte_36, Alleb_37, Pioneer3_36, OlinDD_36
• Track 3 : Cassita_29, WaterT_28
• Track 4 : LeeroyJenkins_29

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alleb_37, Hortus1_36, OlinDD_36, Pioneer3_36, Platte_36, Tandem_36,

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

Genes that do not have the "Most Annotated" start:
• Cassita_29, Jacko_40, LeeroyJenkins_29, WaterT_28,

Summary by start number:

Start 1:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cassita_29 (GB), WaterT_28 (GB),

Start 3:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jacko_40 (ED1),

Start 5:

• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 6 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alleb_37 (ED1), Hortus1_36 (ED1), OlinDD_36 (ED1), Pioneer3_36 (ED1), Platte_36 (ED1), Tandem_36 (ED1),

Start 13:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LeeroyJenkins_29 (GB),

Summary by clusters:

There are 2 clusters represented in this pham: ED1, GB,

Info for manual annotations of cluster ED1:
•Start number 3 was manually annotated 1 time for cluster ED1.
•Start number 5 was manually annotated 6 times for cluster ED1.

Info for manual annotations of cluster GB:
•Start number 1 was manually annotated 2 times for cluster GB.
•Start number 13 was manually annotated 1 time for cluster GB.

Gene Information:

Gene: Alleb_37 Start: 17452, Stop: 18555, Start Num: 5
Candidate Starts for Alleb_37:
(Start: 5 @17452 has 6 MA's), (6, 17461), (8, 17485), (17, 17800), (23, 18130), (25, 18187), (27, 18259), (32, 18442), (33, 18469), (35, 18499), (36, 18526), (37, 18535),

Gene: Cassita_29 Start: 13406, Stop: 14611, Start Num: 1
Candidate Starts for Cassita_29:
(Start: 1 @13406 has 2 MA's), (2, 13481), (4, 13496), (7, 13526), (9, 13550), (18, 13898), (19, 13934), (21, 14054), (22, 14063), (24, 14240), (26, 14288), (28, 14345), (29, 14372), (30, 14399), (31, 14414), (32, 14498), (33, 14525), (34, 14543),

Gene: Hortus1_36 Start: 17466, Stop: 18569, Start Num: 5
Candidate Starts for Hortus1_36:
(Start: 5 @17466 has 6 MA's), (6, 17475), (8, 17499), (17, 17814), (23, 18144), (25, 18201), (27, 18273), (32, 18456), (33, 18483), (35, 18513), (36, 18540), (37, 18549),

Gene: Jacko_40 Start: 17954, Stop: 19057, Start Num: 3
Candidate Starts for Jacko_40:
(Start: 3 @17954 has 1 MA's), (10, 18017), (11, 18053), (14, 18230), (15, 18236), (16, 18257), (20, 18461), (23, 18632), (25, 18689), (27, 18761), (32, 18944), (33, 18971), (35, 19001), (37, 19037),

Gene: LeeroyJenkins_29 Start: 13601, Stop: 14542, Start Num: 13
Candidate Starts for LeeroyJenkins_29:
(12, 13592), (Start: 13 @13601 has 1 MA's), (18, 13829), (19, 13865), (21, 13985), (22, 13994), (24, 14171), (26, 14219), (28, 14276), (29, 14303), (30, 14330), (31, 14345), (32, 14429), (33, 14456), (34,

14474),

Gene: OlinDD_36 Start: 17465, Stop: 18568, Start Num: 5
Candidate Starts for OlinDD_36:
(Start: 5 @17465 has 6 MA's), (6, 17474), (8, 17498), (17, 17813), (23, 18143), (25, 18200), (27, 18272), (32, 18455), (33, 18482), (35, 18512), (36, 18539), (37, 18548),

Gene: Pioneer3_36 Start: 17449, Stop: 18552, Start Num: 5
Candidate Starts for Pioneer3_36:
(Start: 5 @17449 has 6 MA's), (6, 17458), (8, 17482), (17, 17797), (23, 18127), (25, 18184), (27, 18256), (32, 18439), (33, 18466), (35, 18496), (36, 18523), (37, 18532),

Gene: Platte_36 Start: 17234, Stop: 18337, Start Num: 5
Candidate Starts for Platte_36:
(Start: 5 @17234 has 6 MA's), (6, 17243), (8, 17267), (17, 17582), (23, 17912), (25, 17969), (27, 18041), (32, 18224), (33, 18251), (35, 18281), (36, 18308), (37, 18317),

Gene: Tandem_36 Start: 17388, Stop: 18491, Start Num: 5
Candidate Starts for Tandem_36:
(Start: 5 @17388 has 6 MA's), (6, 17397), (8, 17421), (17, 17736), (23, 18066), (25, 18123), (27, 18195), (32, 18378), (33, 18405), (35, 18435), (36, 18462), (37, 18471),

Gene: WaterT_28 Start: 13150, Stop: 14355, Start Num: 1
Candidate Starts for WaterT_28:
(Start: 1 @13150 has 2 MA's), (2, 13225), (4, 13240), (7, 13270), (9, 13294), (18, 13642), (19, 13678), (21, 13798), (22, 13807), (24, 13984), (26, 14032), (28, 14089), (29, 14116), (30, 14143), (31, 14158), (32, 14242), (33, 14269), (34, 14287),