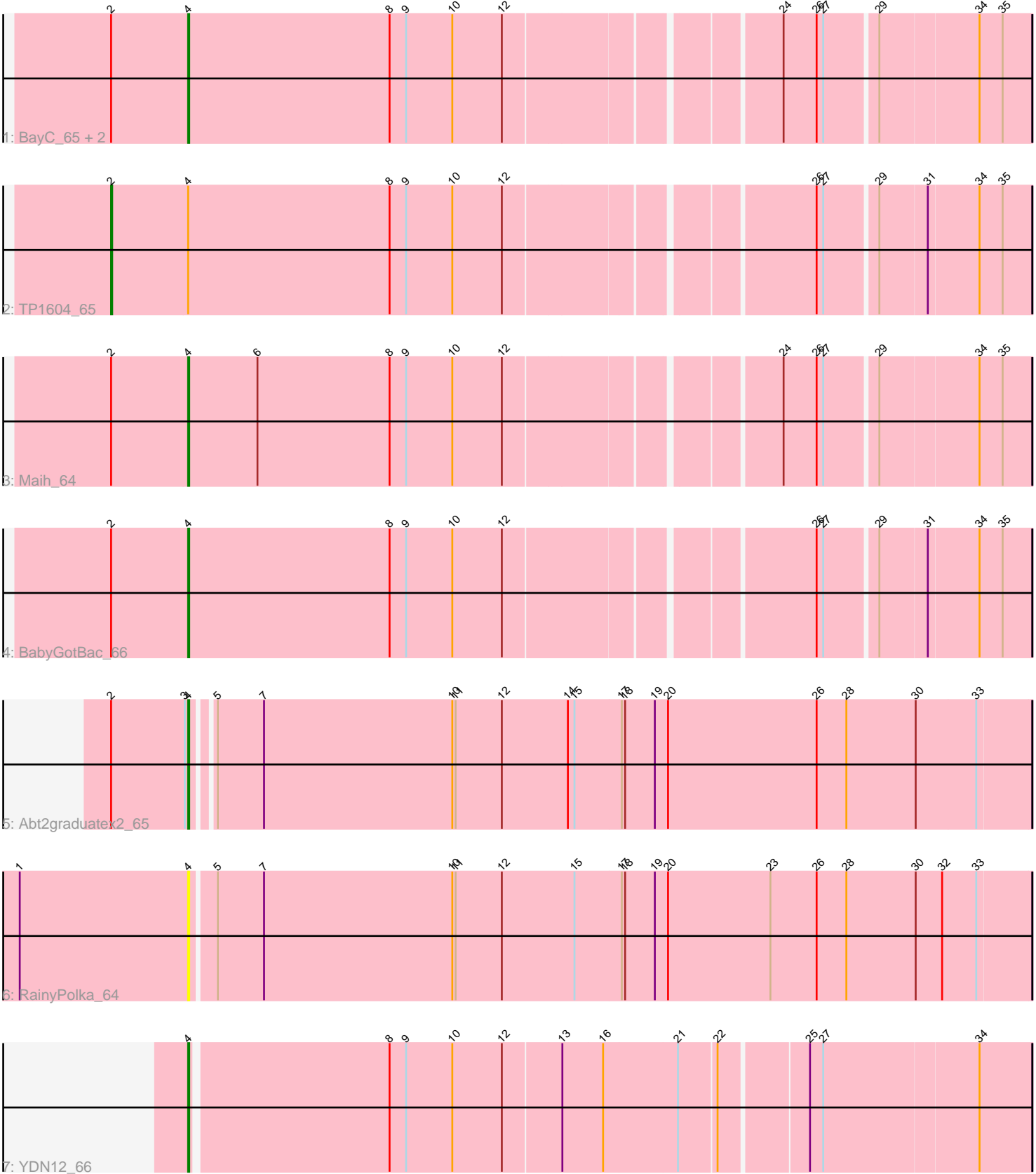


Pham 6394



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 6394 Report

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

Pham number 6394 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : BayC_65, Asis_66, Salete_65
- Track 2 : TP1604_65
- Track 3 : Maih_64
- Track 4 : BabyGotBac_66
- Track 5 : Abt2graduatex2_65
- Track 6 : RainyPolka_64
- Track 7 : YDN12_66

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

The start number called the most often in the published annotations is 4, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abt2graduatex2_65, Asis_66, BabyGotBac_66, BayC_65, Maih_64, RainyPolka_64, Salete_65, YDN12_66,

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

- TP1604_65,

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

-

Summary by start number:

Start 2:

- Found in 7 of 9 (77.8%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 14.3% of time when present
- Phage (with cluster) where this start called: TP1604_65 (BG),

Start 4:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 8

- Called 88.9% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_65 (BG), Asis_66 (BG), BabyGotBac_66 (BG), BayC_65 (BG), Maih_64 (BG), RainyPolka_64 (BG), Salete_65 (BG), YDN12_66 (BG),

Summary by clusters:

There is one cluster represented in this pham: BG

Info for manual annotations of cluster BG:

- Start number 2 was manually annotated 1 time for cluster BG.
- Start number 4 was manually annotated 7 times for cluster BG.

Gene Information:

Gene: Abt2graduatex2_65 Start: 51664, Stop: 52413, Start Num: 4

Candidate Starts for Abt2graduatex2_65:

(Start: 2 @51595 has 1 MA's), (3, 51661), (Start: 4 @51664 has 7 MA's), (5, 51679), (7, 51721), (10, 51892), (11, 51895), (12, 51937), (14, 51997), (15, 52003), (17, 52045), (18, 52048), (19, 52075), (20, 52087), (26, 52222), (28, 52249), (30, 52312), (33, 52366),

Gene: Asis_66 Start: 51567, Stop: 52292, Start Num: 4

Candidate Starts for Asis_66:

(Start: 2 @51498 has 1 MA's), (Start: 4 @51567 has 7 MA's), (8, 51750), (9, 51765), (10, 51807), (12, 51852), (24, 52077), (26, 52107), (27, 52113), (29, 52158), (34, 52245), (35, 52266),

Gene: BabyGotBac_66 Start: 51493, Stop: 52218, Start Num: 4

Candidate Starts for BabyGotBac_66:

(Start: 2 @51424 has 1 MA's), (Start: 4 @51493 has 7 MA's), (8, 51676), (9, 51691), (10, 51733), (12, 51778), (26, 52033), (27, 52039), (29, 52084), (31, 52126), (34, 52171), (35, 52192),

Gene: BayC_65 Start: 51571, Stop: 52296, Start Num: 4

Candidate Starts for BayC_65:

(Start: 2 @51502 has 1 MA's), (Start: 4 @51571 has 7 MA's), (8, 51754), (9, 51769), (10, 51811), (12, 51856), (24, 52081), (26, 52111), (27, 52117), (29, 52162), (34, 52249), (35, 52270),

Gene: Maih_64 Start: 51584, Stop: 52309, Start Num: 4

Candidate Starts for Maih_64:

(Start: 2 @51515 has 1 MA's), (Start: 4 @51584 has 7 MA's), (6, 51647), (8, 51767), (9, 51782), (10, 51824), (12, 51869), (24, 52094), (26, 52124), (27, 52130), (29, 52175), (34, 52262), (35, 52283),

Gene: RainyPolka_64 Start: 51041, Stop: 51796, Start Num: 4

Candidate Starts for RainyPolka_64:

(1, 50888), (Start: 4 @51041 has 7 MA's), (5, 51062), (7, 51104), (10, 51275), (11, 51278), (12, 51320), (15, 51386), (17, 51428), (18, 51431), (19, 51458), (20, 51470), (23, 51563), (26, 51605), (28, 51632), (30, 51695), (32, 51719), (33, 51749),

Gene: Salete_65 Start: 51571, Stop: 52296, Start Num: 4

Candidate Starts for Salete_65:

(Start: 2 @51502 has 1 MA's), (Start: 4 @51571 has 7 MA's), (8, 51754), (9, 51769), (10, 51811), (12, 51856), (24, 52081), (26, 52111), (27, 52117), (29, 52162), (34, 52249), (35, 52270),

Gene: TP1604_65 Start: 51427, Stop: 52221, Start Num: 2

Candidate Starts for TP1604_65:

(Start: 2 @51427 has 1 MA's), (Start: 4 @51496 has 7 MA's), (8, 51679), (9, 51694), (10, 51736), (12, 51781), (26, 52036), (27, 52042), (29, 52087), (31, 52129), (34, 52174), (35, 52195),

Gene: YDN12_66 Start: 51257, Stop: 51991, Start Num: 4

Candidate Starts for YDN12_66:

(Start: 4 @51257 has 7 MA's), (8, 51431), (9, 51446), (10, 51488), (12, 51533), (13, 51584), (16, 51620), (21, 51686), (22, 51719), (25, 51794), (27, 51806), (34, 51944),