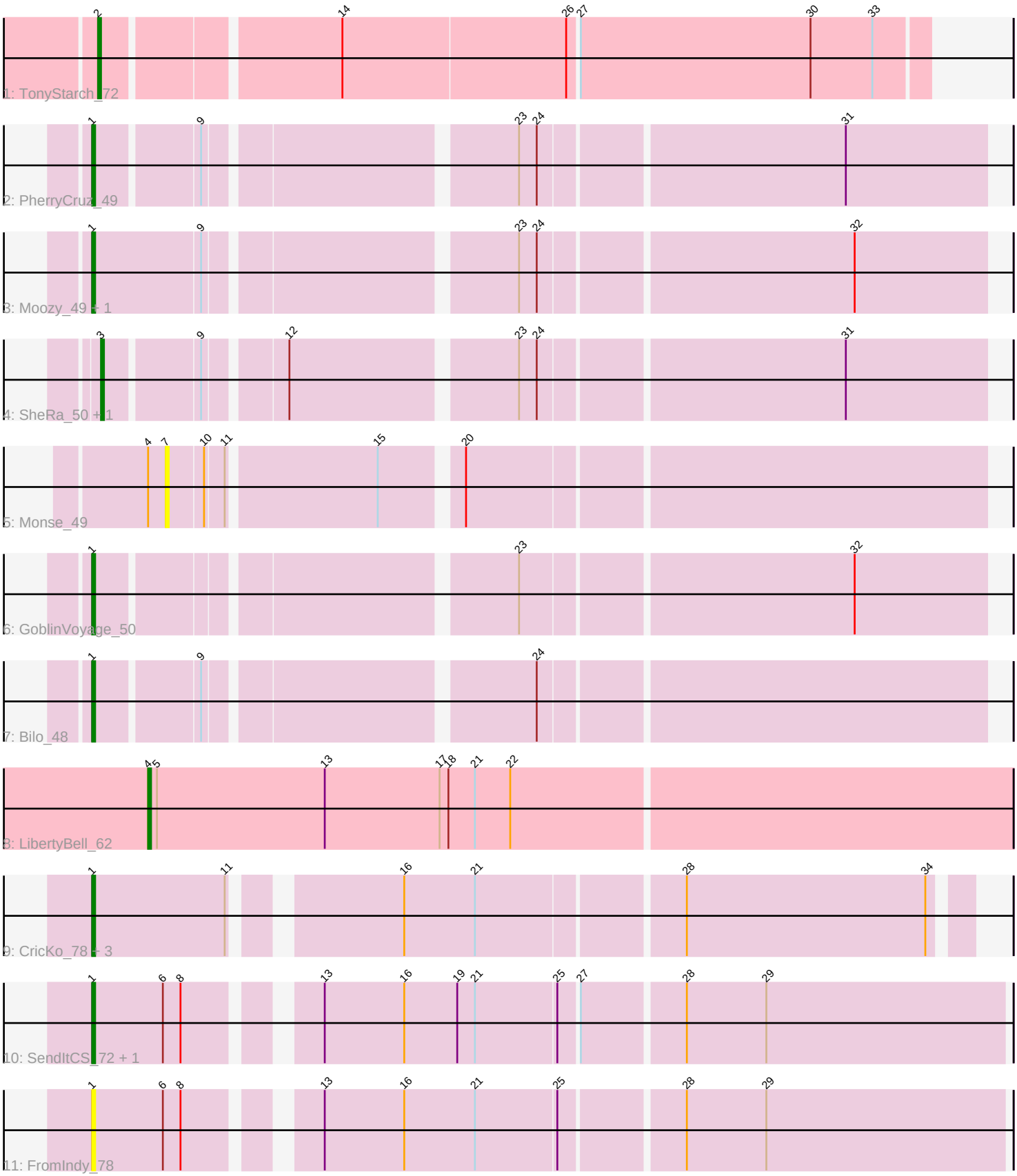
Pham 285984


2
14
26
27
30
33
1: TonyStarch_72
1
9
23
24
31
2: PherryCruz_49
1
9
23
24
32
3: Moozy_49 + 1
3
9
12
23
24
31
4: SheRa_50 + 1
4
7
10
11
15
20
5: Monse_49
1
23
32
6: GoblinVoyage_50
1
9
24
7: Bilo_48
4
5
13
17
18
21
22
8: LibertyBell_62
1
11
16
21
28
34
9: CricKo_78 + 3
1
6
8
13
16
19
21
25
27
28
29
10: SendItCS_72 + 1
1
6
8
13
16
21
25
28
29
11: FromIndy_78

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 285984 Report

This analysis was run 03/28/26 on database version 641.

Pham number 285984 has 17 members, 3 are drafts.

Phages represented in each track:
• Track 1 : TonyStarch_72
• Track 2 : PherryCruz_49
• Track 3 : Moozy_49, Annihilus_50
• Track 4 : SheRa_50, HotFries_48
• Track 5 : Monse_49
• Track 6 : GoblinVoyage_50
• Track 7 : Bilo_48
• Track 8 : LibertyBell_62
• Track 9 : CricKo_78, Regigigas_78, Thiqqums_78, Rainydai_75
• Track 10 : SendItCS_72, Miek_74
• Track 11 : FromIndy_78

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

Genes that call this "Most Annotated" start:
• Annihilus_50, Bilo_48, CricKo_78, FromIndy_78, GoblinVoyage_50, Miek_74, Moozy_49, PherryCruz_49, Rainydai_75, Regigigas_78, SendItCS_72, Thiqqums_78,

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

Genes that do not have the "Most Annotated" start:
• HotFries_48, LibertyBell_62, Monse_49, SheRa_50, TonyStarch_72,

Summary by start number:

Start 1:
• Found in 12 of 17 (70.6%) of genes in pham
• Manual Annotations of this start: 10 of 14
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Annihilus_50 (BI2), Bilo_48 (BI2), CricKo_78 (BI4), FromIndy_78 (BI4), GoblinVoyage_50 (BI2), Miek_74 (BI4), Moozy_49 (BI2), PherryCruz_49 (BI2), Rainydai_75 (BI4), Regigigas_78 (BI4), SendItCS_72 (BI4), Thiqqums_78 (BI4),

Start 2:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TonyStarch_72 (BI1),

Start 3:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: HotFries_48 (BI2), SheRa_50 (BI2),

Start 4:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: LibertyBell_62 (BI3),

Start 7:
• Found in 1 of 17 (5.9%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Monse_49 (BI2),

Summary by clusters:

There are 4 clusters represented in this pham: BI4, BI2, BI3, BI1,

Info for manual annotations of cluster BI1:
•Start number 2 was manually annotated 1 time for cluster BI1.

Info for manual annotations of cluster BI2:
•Start number 1 was manually annotated 5 times for cluster BI2.
•Start number 3 was manually annotated 2 times for cluster BI2.

Info for manual annotations of cluster BI3:
•Start number 4 was manually annotated 1 time for cluster BI3.

Info for manual annotations of cluster BI4:
•Start number 1 was manually annotated 5 times for cluster BI4.

Gene Information:

Gene: Annihilus_50 Start: 36220, Stop: 36504, Start Num: 1
Candidate Starts for Annihilus_50:
(Start: 1 @36220 has 10 MA's), (9, 36256), (23, 36352), (24, 36358), (32, 36460),

Gene: Bilo_48 Start: 36402, Stop: 36683, Start Num: 1
Candidate Starts for Bilo_48:
(Start: 1 @36402 has 10 MA's), (9, 36435), (24, 36537),

Gene: CricKo_78 Start: 47063, Stop: 47338, Start Num: 1
Candidate Starts for CricKo_78:
(Start: 1 @47063 has 10 MA's), (11, 47108), (16, 47156), (21, 47180), (28, 47246), (34, 47327),

Gene: FromIndy_78 Start: 46668, Stop: 46958, Start Num: 1
Candidate Starts for FromIndy_78:
(Start: 1 @46668 has 10 MA's), (6, 46692), (8, 46698), (13, 46734), (16, 46761), (21, 46785), (25, 46812), (28, 46851), (29, 46878),

Gene: GoblinVoyage_50 Start: 36210, Stop: 36491, Start Num: 1
Candidate Starts for GoblinVoyage_50:
(Start: 1 @36210 has 10 MA's), (23, 36339), (32, 36447),

Gene: HotFries_48 Start: 36403, Stop: 36681, Start Num: 3
Candidate Starts for HotFries_48:
(Start: 3 @36403 has 2 MA's), (9, 36433), (12, 36457), (23, 36529), (24, 36535), (31, 36634),

Gene: LibertyBell_62 Start: 41545, Stop: 41835, Start Num: 4
Candidate Starts for LibertyBell_62:
(Start: 4 @41545 has 1 MA's), (5, 41548), (13, 41605), (17, 41644), (18, 41647), (21, 41656), (22, 41668),

Gene: Miek_74 Start: 45857, Stop: 46147, Start Num: 1
Candidate Starts for Miek_74:
(Start: 1 @45857 has 10 MA's), (6, 45881), (8, 45887), (13, 45923), (16, 45950), (19, 45968), (21, 45974), (25, 46001), (27, 46007), (28, 46040), (29, 46067),

Gene: Monse_49 Start: 36038, Stop: 36298, Start Num: 7
Candidate Starts for Monse_49:
(Start: 4 @36032 has 1 MA's), (7, 36038), (10, 36050), (11, 36056), (15, 36104), (20, 36128),

Gene: Moozy_49 Start: 36204, Stop: 36488, Start Num: 1
Candidate Starts for Moozy_49:
(Start: 1 @36204 has 10 MA's), (9, 36240), (23, 36336), (24, 36342), (32, 36444),

Gene: PherryCruz_49 Start: 36392, Stop: 36673, Start Num: 1
Candidate Starts for PherryCruz_49:
(Start: 1 @36392 has 10 MA's), (9, 36425), (23, 36521), (24, 36527), (31, 36626),

Gene: Rainydai_75 Start: 47063, Stop: 47338, Start Num: 1
Candidate Starts for Rainydai_75:
(Start: 1 @47063 has 10 MA's), (11, 47108), (16, 47156), (21, 47180), (28, 47246), (34, 47327),

Gene: Regigigas_78 Start: 46675, Stop: 46950, Start Num: 1
Candidate Starts for Regigigas_78:
(Start: 1 @46675 has 10 MA's), (11, 46720), (16, 46768), (21, 46792), (28, 46858), (34, 46939),

Gene: SendItCS_72 Start: 45845, Stop: 46135, Start Num: 1

Candidate Starts for SendItCS_72:
(Start: 1 @45845 has 10 MA's), (6, 45869), (8, 45875), (13, 45911), (16, 45938), (19, 45956), (21, 45962), (25, 45989), (27, 45995), (28, 46028), (29, 46055),

Gene: SheRa_50 Start: 36280, Stop: 36558, Start Num: 3
Candidate Starts for SheRa_50:
(Start: 3 @36280 has 2 MA's), (9, 36310), (12, 36334), (23, 36406), (24, 36412), (31, 36511),

Gene: Thiqqums_78 Start: 47063, Stop: 47338, Start Num: 1
Candidate Starts for Thiqqums_78:
(Start: 1 @47063 has 10 MA's), (11, 47108), (16, 47156), (21, 47180), (28, 47246), (34, 47327),

Gene: TonyStarch_72 Start: 45555, Stop: 45824, Start Num: 2
Candidate Starts for TonyStarch_72:
(Start: 2 @45555 has 1 MA's), (14, 45630), (26, 45705), (27, 45708), (30, 45786), (33, 45807),