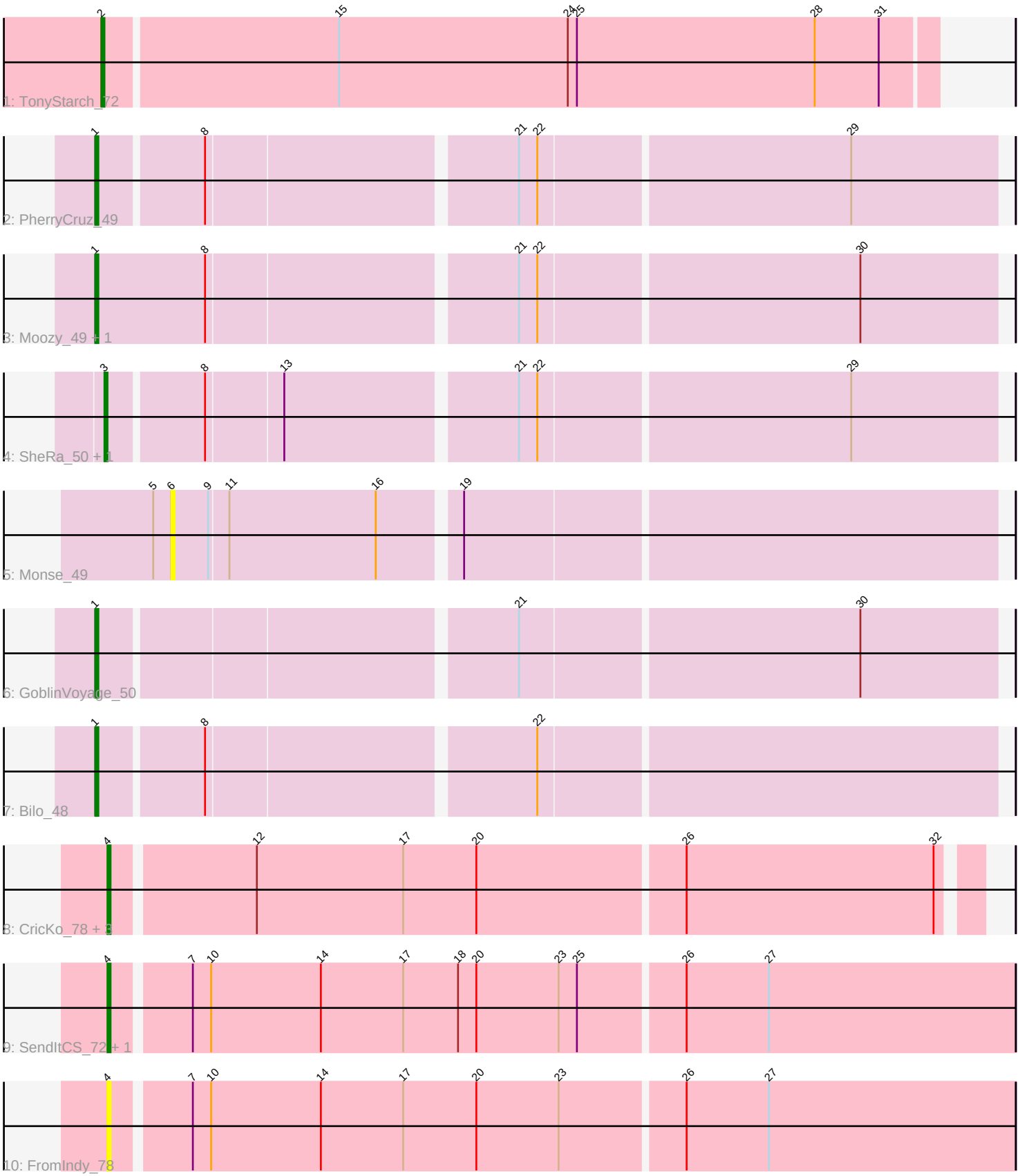
Pham 284282


2
15
24
25
28
31
1: TonyStarch_72
1
8
21
22
29
2: PherryCruz_49
1
8
21
22
30
3: Moozy_49 + 1
3
8
13
21
22
29
4: SheRa_50 + 1
5
6
9
11
16
19
5: Monse_49
1
21
30
6: GoblinVoyage_50
1
8
22
7: Bilo_48
4
12
17
20
26
32
8: CricKo_78 + 3
4
7
10
14
17
18
20
23
25
26
27
9: SendItCS_72 + 1
4
7
10
14
17
20
23
26
27
10: 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 284282 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284282 has 16 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 : CricKo_78, Regigigas_78, Thiqqums_78, Rainydai_75
• Track 9 : SendItCS_72, Miek_74
• Track 10 : 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 5 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annihilus_50, Bilo_48, GoblinVoyage_50, Moozy_49, PherryCruz_49,

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

Genes that do not have the "Most Annotated" start:
• CricKo_78, FromIndy_78, HotFries_48, Miek_74, Monse_49, Rainydai_75, Regigigas_78, SendItCS_72, SheRa_50, Thiqqums_78, TonyStarch_72,

Summary by start number:

Start 1:
• Found in 5 of 16 (31.2%) of genes in pham
• Manual Annotations of this start: 5 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annihilus_50 (BI2), Bilo_48 (BI2), GoblinVoyage_50 (BI2), Moozy_49 (BI2), PherryCruz_49 (BI2),

Start 2:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TonyStarch_72 (BI1),

Start 3:
• Found in 2 of 16 (12.5%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: HotFries_48 (BI2), SheRa_50 (BI2),

Start 4:
• Found in 7 of 16 (43.8%) of genes in pham
• Manual Annotations of this start: 5 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CricKo_78 (BI4), FromIndy_78 (BI4), Miek_74 (BI4), Rainydai_75 (BI4), Regigigas_78 (BI4), SendItCS_72 (BI4), Thiqqums_78 (BI4),

Start 6:
• Found in 1 of 16 (6.2%) 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 3 clusters represented in this pham: BI4, BI2, 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 BI4:
•Start number 4 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 5 MA's), (8, 36256), (21, 36352), (22, 36358), (30, 36460),

Gene: Bilo_48 Start: 36402, Stop: 36683, Start Num: 1
Candidate Starts for Bilo_48:
(Start: 1 @36402 has 5 MA's), (8, 36435), (22, 36537),

Gene: CricKo_78 Start: 47063, Stop: 47338, Start Num: 4
Candidate Starts for CricKo_78:
(Start: 4 @47063 has 5 MA's), (12, 47108), (17, 47156), (20, 47180), (26, 47246), (32, 47327),

Gene: FromIndy_78 Start: 46668, Stop: 46958, Start Num: 4
Candidate Starts for FromIndy_78:
(Start: 4 @46668 has 5 MA's), (7, 46692), (10, 46698), (14, 46734), (17, 46761), (20, 46785), (23, 46812), (26, 46851), (27, 46878),

Gene: GoblinVoyage_50 Start: 36210, Stop: 36491, Start Num: 1
Candidate Starts for GoblinVoyage_50:
(Start: 1 @36210 has 5 MA's), (21, 36339), (30, 36447),

Gene: HotFries_48 Start: 36403, Stop: 36681, Start Num: 3
Candidate Starts for HotFries_48:
(Start: 3 @36403 has 2 MA's), (8, 36433), (13, 36457), (21, 36529), (22, 36535), (29, 36634),

Gene: Miek_74 Start: 45857, Stop: 46147, Start Num: 4
Candidate Starts for Miek_74:
(Start: 4 @45857 has 5 MA's), (7, 45881), (10, 45887), (14, 45923), (17, 45950), (18, 45968), (20, 45974), (23, 46001), (25, 46007), (26, 46040), (27, 46067),

Gene: Monse_49 Start: 36038, Stop: 36298, Start Num: 6
Candidate Starts for Monse_49:
(5, 36032), (6, 36038), (9, 36050), (11, 36056), (16, 36104), (19, 36128),

Gene: Moozy_49 Start: 36204, Stop: 36488, Start Num: 1
Candidate Starts for Moozy_49:
(Start: 1 @36204 has 5 MA's), (8, 36240), (21, 36336), (22, 36342), (30, 36444),

Gene: PherryCruz_49 Start: 36392, Stop: 36673, Start Num: 1
Candidate Starts for PherryCruz_49:
(Start: 1 @36392 has 5 MA's), (8, 36425), (21, 36521), (22, 36527), (29, 36626),

Gene: Rainydai_75 Start: 47063, Stop: 47338, Start Num: 4
Candidate Starts for Rainydai_75:
(Start: 4 @47063 has 5 MA's), (12, 47108), (17, 47156), (20, 47180), (26, 47246), (32, 47327),

Gene: Regigigas_78 Start: 46675, Stop: 46950, Start Num: 4
Candidate Starts for Regigigas_78:
(Start: 4 @46675 has 5 MA's), (12, 46720), (17, 46768), (20, 46792), (26, 46858), (32, 46939),

Gene: SendItCS_72 Start: 45845, Stop: 46135, Start Num: 4
Candidate Starts for SendItCS_72:
(Start: 4 @45845 has 5 MA's), (7, 45869), (10, 45875), (14, 45911), (17, 45938), (18, 45956), (20, 45962), (23, 45989), (25, 45995), (26, 46028), (27, 46055),

Gene: SheRa_50 Start: 36280, Stop: 36558, Start Num: 3
Candidate Starts for SheRa_50:
(Start: 3 @36280 has 2 MA's), (8, 36310), (13, 36334), (21, 36406), (22, 36412), (29, 36511),

Gene: Thiqqums_78 Start: 47063, Stop: 47338, Start Num: 4
Candidate Starts for Thiqqums_78:

(Start: 4 @47063 has 5 MA's), (12, 47108), (17, 47156), (20, 47180), (26, 47246), (32, 47327),

Gene: TonyStarch_72 Start: 45555, Stop: 45824, Start Num: 2
Candidate Starts for TonyStarch_72:
(Start: 2 @45555 has 1 MA's), (15, 45630), (24, 45705), (25, 45708), (28, 45786), (31, 45807),