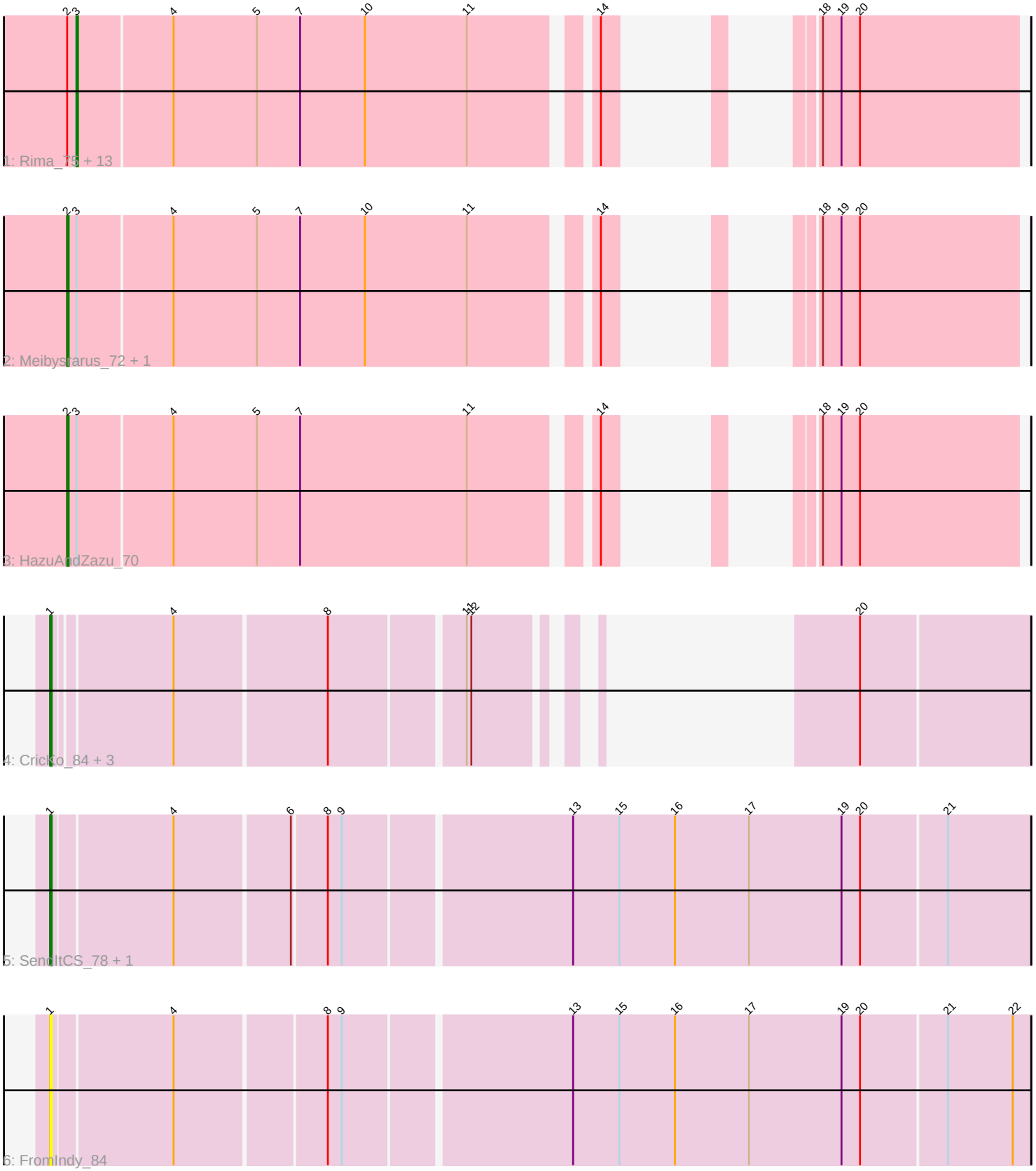
Pham 347993


1: Rima_75 + 13
2: Meibystarus_72 + 1
3: HazuAndZazu_70
4: Cricko_84 + 3
5: SendItCS_78 + 1
6: FromIndy_84

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 347993 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347993 has 24 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Rima_75, TaidaOne_75, Esketit_70, TonyStarch_73, Spectropatronm_73, FidgetOrca_76, Jaylociraptor_74, Maya_74, OlympicHelado_76, Hoshi_75, Indigenous_76, CherryBlossom_74, IceWarrior_74, Namo_76
• Track 2 : Meibysrarus_72, TieDye_70
• Track 3 : HazuAndZazu_70
• Track 4 : CricKo_84, Rainydai_81, Regigigas_84, Thiqqums_84
• Track 5 : SendItCS_78, Miek_80
• Track 6 : FromIndy_84

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

The start number called the most often in the published annotations is 3, it was called in 14 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CherryBlossom_74, Esketit_70, FidgetOrca_76, Hoshi_75, IceWarrior_74, Indigenous_76, Jaylociraptor_74, Maya_74, Namo_76, OlympicHelado_76, Rima_75, Spectropatronm_73, TaidaOne_75, TonyStarch_73,

Genes that have the "Most Annotated" start but do not call it:
• HazuAndZazu_70, Meibysrarus_72, TieDye_70,

Genes that do not have the "Most Annotated" start:
• CricKo_84, FromIndy_84, Miek_80, Rainydai_81, Regigigas_84, SendItCS_78, Thiqqums_84,

Summary by start number:

Start 1:
• Found in 7 of 24 (29.2%) of genes in pham
• Manual Annotations of this start: 5 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CricKo_84 (BI4), FromIndy_84 (BI4), Miek_80 (BI4), Rainydai_81 (BI4), Regigigas_84 (BI4), SendItCS_78 (BI4),

Thiqqums_84 (BI4),

Start 2:
• Found in 17 of 24 (70.8%) of genes in pham
• Manual Annotations of this start: 3 of 22
• Called 17.6% of time when present
• Phage (with cluster) where this start called: HazuAndZazu_70 (BI1), Meibysrarus_72 (BI1), TieDye_70 (BI1),

Start 3:
• Found in 17 of 24 (70.8%) of genes in pham
• Manual Annotations of this start: 14 of 22
• Called 82.4% of time when present
• Phage (with cluster) where this start called: CherryBlossom_74 (BI1), Esketit_70 (BI1), FidgetOrca_76 (BI1), Hoshi_75 (BI1), IceWarrior_74 (BI1), Indigenous_76 (BI1), Jaylociraptor_74 (BI1), Maya_74 (BI1), Namo_76 (BI1), OlympicHelado_76 (BI1), Rima_75 (BI1), Spectropatronm_73 (BI1), TaidaOne_75 (BI1), TonyStarch_73 (BI1),

Summary by clusters:

There are 2 clusters represented in this pham: BI4, BI1,

Info for manual annotations of cluster BI1:
•Start number 2 was manually annotated 3 times for cluster BI1.
•Start number 3 was manually annotated 14 times for cluster BI1.

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

Gene Information:

Gene: CherryBlossom_74 Start: 45929, Stop: 46408, Start Num: 3
Candidate Starts for CherryBlossom_74:
(Start: 2 @45923 has 3 MA's), (Start: 3 @45929 has 14 MA's), (4, 45989), (5, 46043), (7, 46070), (10, 46112), (11, 46178), (14, 46247), (18, 46283), (19, 46295), (20, 46307),

Gene: CricKo_84 Start: 49056, Stop: 49514, Start Num: 1
Candidate Starts for CricKo_84:
(Start: 1 @49056 has 5 MA's), (4, 49128), (8, 49224), (11, 49305), (12, 49308), (20, 49407),

Gene: Esketit_70 Start: 45030, Stop: 45509, Start Num: 3
Candidate Starts for Esketit_70:
(Start: 2 @45024 has 3 MA's), (Start: 3 @45030 has 14 MA's), (4, 45090), (5, 45144), (7, 45171), (10, 45213), (11, 45279), (14, 45348), (18, 45384), (19, 45396), (20, 45408),

Gene: FidgetOrca_76 Start: 46480, Stop: 46959, Start Num: 3
Candidate Starts for FidgetOrca_76:
(Start: 2 @46474 has 3 MA's), (Start: 3 @46480 has 14 MA's), (4, 46540), (5, 46594), (7, 46621), (10, 46663), (11, 46729), (14, 46798), (18, 46834), (19, 46846), (20, 46858),

Gene: FromIndy_84 Start: 48690, Stop: 49301, Start Num: 1
Candidate Starts for FromIndy_84:
(Start: 1 @48690 has 5 MA's), (4, 48765), (8, 48858), (9, 48867), (13, 49008), (15, 49038), (16, 49074), (17, 49122), (19, 49182), (20, 49194), (21, 49248), (22, 49290),

Gene: HazuAndZazu_70 Start: 45945, Stop: 46430, Start Num: 2
Candidate Starts for HazuAndZazu_70:
(Start: 2 @45945 has 3 MA's), (Start: 3 @45951 has 14 MA's), (4, 46011), (5, 46065), (7, 46092), (11, 46200), (14, 46269), (18, 46305), (19, 46317), (20, 46329),

Gene: Hoshi_75 Start: 46093, Stop: 46572, Start Num: 3
Candidate Starts for Hoshi_75:
(Start: 2 @46087 has 3 MA's), (Start: 3 @46093 has 14 MA's), (4, 46153), (5, 46207), (7, 46234), (10, 46276), (11, 46342), (14, 46411), (18, 46447), (19, 46459), (20, 46471),

Gene: IceWarrior_74 Start: 45781, Stop: 46260, Start Num: 3
Candidate Starts for IceWarrior_74:
(Start: 2 @45775 has 3 MA's), (Start: 3 @45781 has 14 MA's), (4, 45841), (5, 45895), (7, 45922), (10, 45964), (11, 46030), (14, 46099), (18, 46135), (19, 46147), (20, 46159),

Gene: Indigenous_76 Start: 46484, Stop: 46963, Start Num: 3
Candidate Starts for Indigenous_76:
(Start: 2 @46478 has 3 MA's), (Start: 3 @46484 has 14 MA's), (4, 46544), (5, 46598), (7, 46625), (10, 46667), (11, 46733), (14, 46802), (18, 46838), (19, 46850), (20, 46862),

Gene: Jaylociraptor_74 Start: 46065, Stop: 46544, Start Num: 3
Candidate Starts for Jaylociraptor_74:
(Start: 2 @46059 has 3 MA's), (Start: 3 @46065 has 14 MA's), (4, 46125), (5, 46179), (7, 46206), (10, 46248), (11, 46314), (14, 46383), (18, 46419), (19, 46431), (20, 46443),

Gene: Maya_74 Start: 46079, Stop: 46558, Start Num: 3
Candidate Starts for Maya_74:
(Start: 2 @46073 has 3 MA's), (Start: 3 @46079 has 14 MA's), (4, 46139), (5, 46193), (7, 46220), (10, 46262), (11, 46328), (14, 46397), (18, 46433), (19, 46445), (20, 46457),

Gene: Meibysrarus_72 Start: 45457, Stop: 45942, Start Num: 2
Candidate Starts for Meibysrarus_72:
(Start: 2 @45457 has 3 MA's), (Start: 3 @45463 has 14 MA's), (4, 45523), (5, 45577), (7, 45604), (10, 45646), (11, 45712), (14, 45781), (18, 45817), (19, 45829), (20, 45841),

Gene: Miek_80 Start: 47872, Stop: 48483, Start Num: 1
Candidate Starts for Miek_80:
(Start: 1 @47872 has 5 MA's), (4, 47947), (6, 48019), (8, 48040), (9, 48049), (13, 48190), (15, 48220), (16, 48256), (17, 48304), (19, 48364), (20, 48376), (21, 48430),

Gene: Namo_76 Start: 46443, Stop: 46922, Start Num: 3
Candidate Starts for Namo_76:
(Start: 2 @46437 has 3 MA's), (Start: 3 @46443 has 14 MA's), (4, 46503), (5, 46557), (7, 46584), (10, 46626), (11, 46692), (14, 46761), (18, 46797), (19, 46809), (20, 46821),

Gene: OlympicHelado_76 Start: 46555, Stop: 47034, Start Num: 3
Candidate Starts for OlympicHelado_76:

(Start: 2 @46549 has 3 MA's), (Start: 3 @46555 has 14 MA's), (4, 46615), (5, 46669), (7, 46696), (10, 46738), (11, 46804), (14, 46873), (18, 46909), (19, 46921), (20, 46933),

Gene: Rainydai_81 Start: 49056, Stop: 49514, Start Num: 1
Candidate Starts for Rainydai_81:
(Start: 1 @49056 has 5 MA's), (4, 49128), (8, 49224), (11, 49305), (12, 49308), (20, 49407),

Gene: Regigigas_84 Start: 48668, Stop: 49126, Start Num: 1
Candidate Starts for Regigigas_84:
(Start: 1 @48668 has 5 MA's), (4, 48740), (8, 48836), (11, 48917), (12, 48920), (20, 49019),

Gene: Rima_75 Start: 46443, Stop: 46922, Start Num: 3
Candidate Starts for Rima_75:
(Start: 2 @46437 has 3 MA's), (Start: 3 @46443 has 14 MA's), (4, 46503), (5, 46557), (7, 46584), (10, 46626), (11, 46692), (14, 46761), (18, 46797), (19, 46809), (20, 46821),

Gene: SendItCS_78 Start: 47860, Stop: 48471, Start Num: 1
Candidate Starts for SendItCS_78:
(Start: 1 @47860 has 5 MA's), (4, 47935), (6, 48007), (8, 48028), (9, 48037), (13, 48178), (15, 48208), (16, 48244), (17, 48292), (19, 48352), (20, 48364), (21, 48418),

Gene: Spectropatronm_73 Start: 46072, Stop: 46551, Start Num: 3
Candidate Starts for Spectropatronm_73:
(Start: 2 @46066 has 3 MA's), (Start: 3 @46072 has 14 MA's), (4, 46132), (5, 46186), (7, 46213), (10, 46255), (11, 46321), (14, 46390), (18, 46426), (19, 46438), (20, 46450),

Gene: TaidaOne_75 Start: 46968, Stop: 47447, Start Num: 3
Candidate Starts for TaidaOne_75:
(Start: 2 @46962 has 3 MA's), (Start: 3 @46968 has 14 MA's), (4, 47028), (5, 47082), (7, 47109), (10, 47151), (11, 47217), (14, 47286), (18, 47322), (19, 47334), (20, 47346),

Gene: Thiqqums_84 Start: 49056, Stop: 49514, Start Num: 1
Candidate Starts for Thiqqums_84:
(Start: 1 @49056 has 5 MA's), (4, 49128), (8, 49224), (11, 49305), (12, 49308), (20, 49407),

Gene: TieDye_70 Start: 45387, Stop: 45872, Start Num: 2
Candidate Starts for TieDye_70:
(Start: 2 @45387 has 3 MA's), (Start: 3 @45393 has 14 MA's), (4, 45453), (5, 45507), (7, 45534), (10, 45576), (11, 45642), (14, 45711), (18, 45747), (19, 45759), (20, 45771),

Gene: TonyStarch_73 Start: 45835, Stop: 46314, Start Num: 3
Candidate Starts for TonyStarch_73:
(Start: 2 @45829 has 3 MA's), (Start: 3 @45835 has 14 MA's), (4, 45895), (5, 45949), (7, 45976), (10, 46018), (11, 46084), (14, 46153), (18, 46189), (19, 46201), (20, 46213),