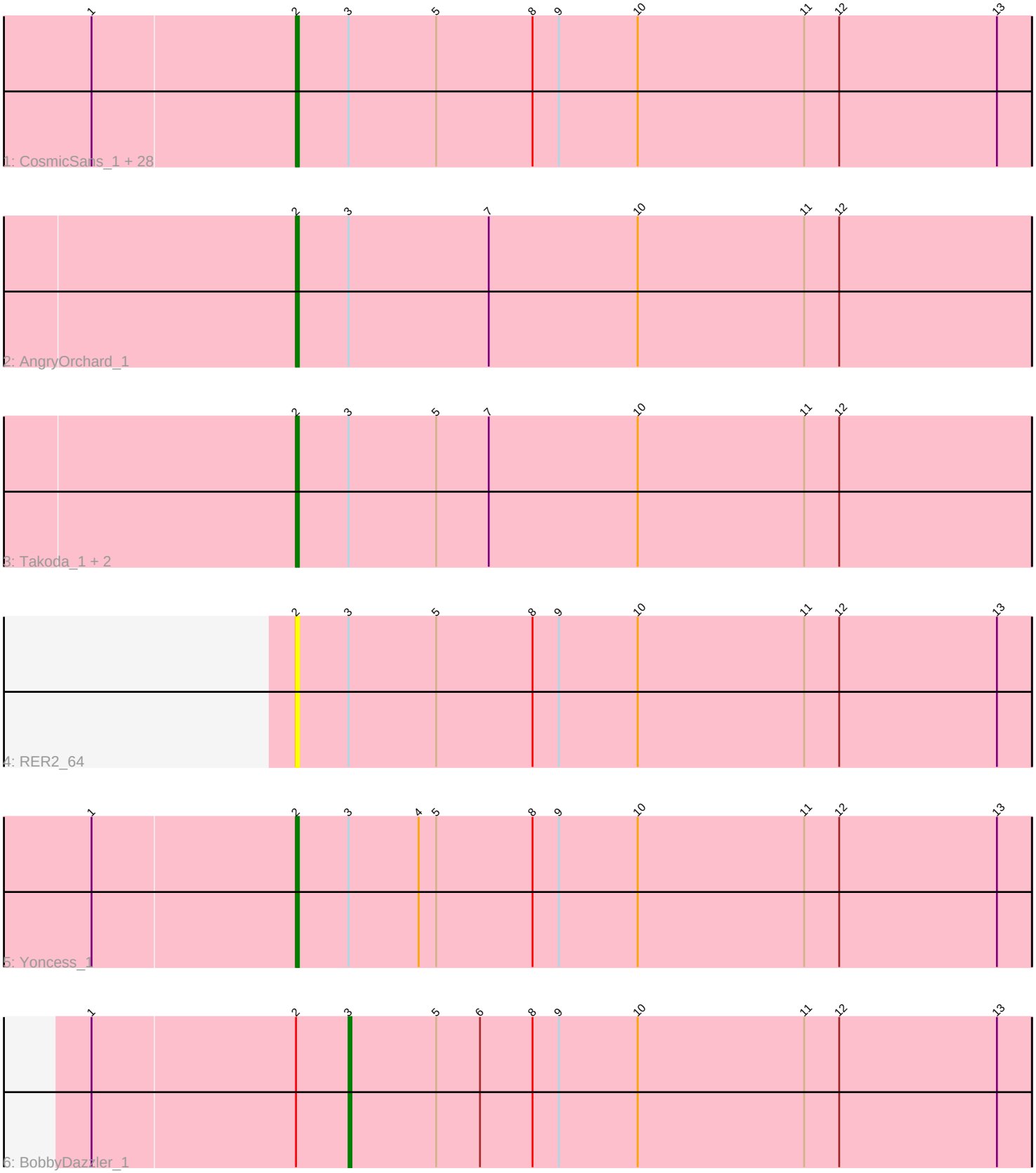
Pham 86050


1 2 3 5 8 9 10 11 12 13
1: CosmicSans_1 + 28
2 3 7 10 11 12
2: AngryOrchard_1
2 3 5 7 10 11 12
3: Takoda_1 + 2
2 3 5 8 9 10 11 12 13
4: RER2_64
1 2 3 4 5 8 9 10 11 12 13
5: Yoncess_1
1 2 3 5 6 8 9 10 11 12 13
6: BobbyDazzler_1

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 86050 Report

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

Pham number 86050 has 36 members, 1 are drafts.

Phages represented in each track:
• Track 1 : CosmicSans_1, Alpacados_1, Bradshaw_1, Jester_1, Harlequin_1, Phrankenstein_1, Swann_1, Shuman_1, Belenaria_1, Erik_1, Rasputin_1, Nancinator_1, Bryce_1, Krishelle_1, Espica_1, TWAMP_1, Natosaleda_1, Lillie_1, Bonanza_1, Rhodalysa_1, PhailMary_1, StCroix_1, Naiad_1, Hiro_1, Alatin_1, Gollum_1, RexFury_1, Yogi_1, UhSalsa_1
• Track 2 : AngryOrchard_1
• Track 3 : Takoda_1, Dinger_1, Partridge_1
• Track 4 : RER2_64
• Track 5 : Yoncess_1
• Track 6 : BobbyDazzler_1

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

The start number called the most often in the published annotations is 2, it was called in 34 of the 35 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alatin_1, Alpacados_1, AngryOrchard_1, Belenaria_1, Bonanza_1, Bradshaw_1, Bryce_1, CosmicSans_1, Dinger_1, Erik_1, Espica_1, Gollum_1, Harlequin_1, Hiro_1, Jester_1, Krishelle_1, Lillie_1, Naiad_1, Nancinator_1, Natosaleda_1, Partridge_1, PhailMary_1, Phrankenstein_1, RER2_64, Rasputin_1, RexFury_1, Rhodalysa_1, Shuman_1, StCroix_1, Swann_1, TWAMP_1, Takoda_1, UhSalsa_1, Yogi_1, Yoncess_1,

Genes that have the "Most Annotated" start but do not call it:
• BobbyDazzler_1,

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

Summary by start number:

Start 2:
• Found in 36 of 36 (100.0%) of genes in pham

• Manual Annotations of this start: 34 of 35
• Called 97.2% of time when present
• Phage (with cluster) where this start called: Alatin_1 (CA), Alpacados_1 (CA), AngryOrchard_1 (CA), Belenaria_1 (CA), Bonanza_1 (CA), Bradshaw_1 (CA), Bryce_1 (CA), CosmicSans_1 (CA), Dinger_1 (CA), Erik_1 (CA), Espica_1 (CA), Gollum_1 (CA), Harlequin_1 (CA), Hiro_1 (CA), Jester_1 (CA), Krishelle_1 (CA), Lillie_1 (CA), Naiad_1 (CA), Nancinator_1 (CA), Natosaleda_1 (CA), Partridge_1 (CA), PhailMary_1 (CA), Phrankenstein_1 (CA), RER2_64 (CA), Rasputin_1 (CA), RexFury_1 (CA), Rhodalysa_1 (CA), Shuman_1 (CA), StCroix_1 (CA), Swann_1 (CA), TWAMP_1 (CA), Takoda_1 (CA), UhSalsa_1 (CA), Yogi_1 (CA), Yoncess_1 (CA),

Start 3:
• Found in 36 of 36 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 35
• Called 2.8% of time when present
• Phage (with cluster) where this start called: BobbyDazzler_1 (CA),

Summary by clusters:

There is one cluster represented in this pham: CA

Info for manual annotations of cluster CA:
•Start number 2 was manually annotated 34 times for cluster CA.
•Start number 3 was manually annotated 1 time for cluster CA.

Gene Information:

Gene: Alatin_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Alatin_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Alpacados_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Alpacados_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: AngryOrchard_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for AngryOrchard_1:
(Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (7, 308), (10, 257), (11, 200), (12, 188),

Gene: Belenaria_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Belenaria_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: BobbyDazzler_1 Start: 356, Stop: 123, Start Num: 3
Candidate Starts for BobbyDazzler_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (6, 311), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Bonanza_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Bonanza_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Bradshaw_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Bradshaw_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Bryce_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Bryce_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: CosmicSans_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for CosmicSans_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Dinger_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Dinger_1:
(Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (7, 308), (10, 257), (11, 200), (12, 188),

Gene: Erik_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Erik_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Espica_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Espica_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Gollum_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Gollum_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Harlequin_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Harlequin_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Hiro_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Hiro_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Jester_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Jester_1:

(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Krishelle_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Krishelle_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Lillie_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Lillie_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Naiad_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Naiad_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Nancinator_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Nancinator_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Natosaleda_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Natosaleda_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Partridge_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Partridge_1:
(Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (7, 308), (10, 257), (11, 200), (12, 188),

Gene: PhailMary_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for PhailMary_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Phrankenstein_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Phrankenstein_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: RER2_64 Start: 43832, Stop: 43581, Start Num: 2
Candidate Starts for RER2_64:
(Start: 2 @43832 has 34 MA's), (Start: 3 @43814 has 1 MA's), (5, 43784), (8, 43751), (9, 43742), (10, 43715), (11, 43658), (12, 43646), (13, 43592),

Gene: Rasputin_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Rasputin_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: RexFury_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for RexFury_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Rhodalysa_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Rhodalysa_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Shuman_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Shuman_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: StCroix_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for StCroix_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Swann_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Swann_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: TWAMP_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for TWAMP_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Takoda_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Takoda_1:
(Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (7, 308), (10, 257), (11, 200), (12, 188),

Gene: UhSalsa_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for UhSalsa_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Yogi_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Yogi_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),

Gene: Yoncess_1 Start: 374, Stop: 123, Start Num: 2
Candidate Starts for Yoncess_1:
(1, 443), (Start: 2 @374 has 34 MA's), (Start: 3 @356 has 1 MA's), (4, 332), (5, 326), (8, 293), (9, 284), (10, 257), (11, 200), (12, 188), (13, 134),