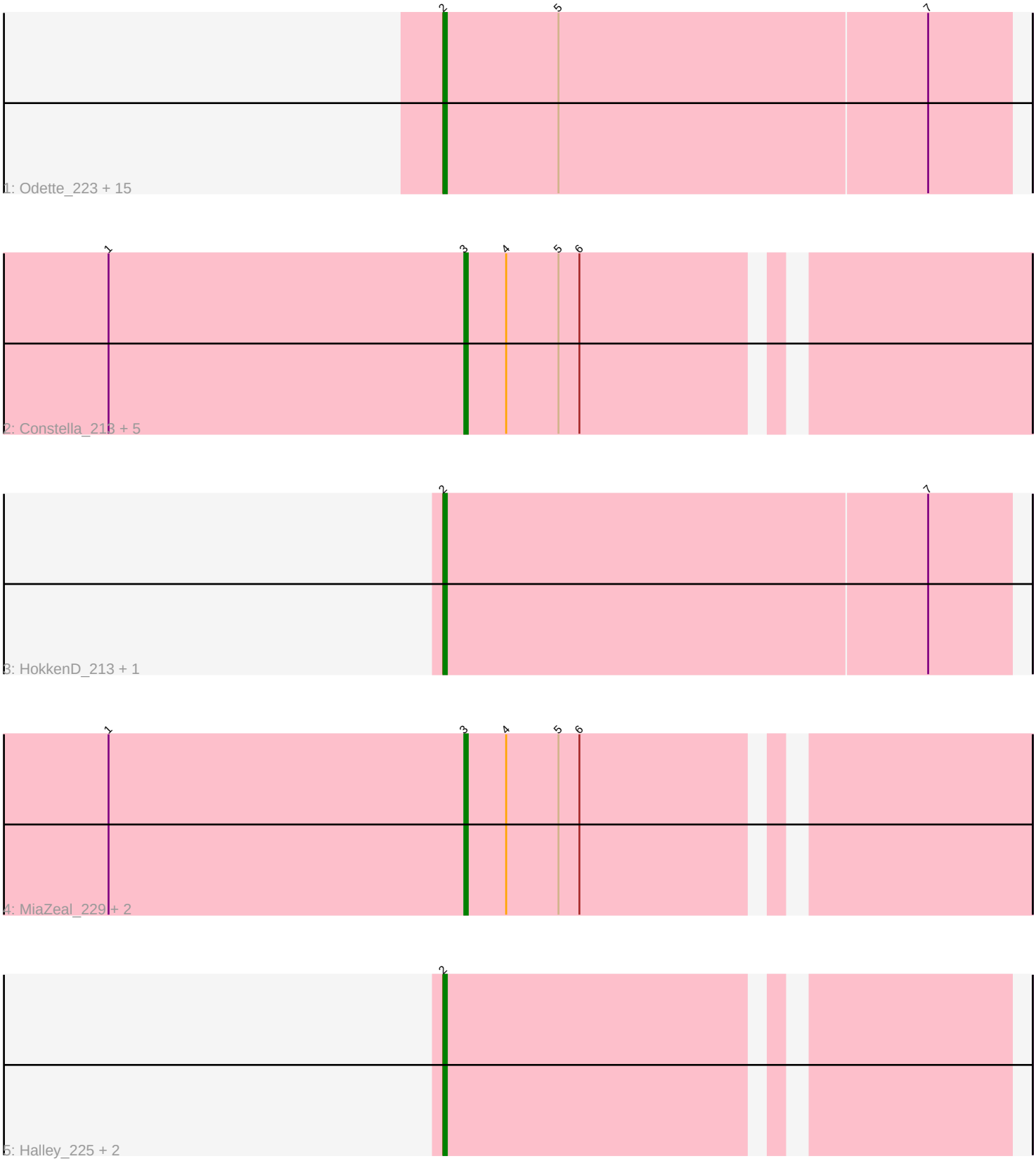
Pham 86287


2
5
7
1: Odette_223 + 15
1
3
4
5
6
2: Constella_213 + 5
2
7
3: HokkenD_213 + 1
1
3
4
5
6
4: MiaZeal_229 + 2
2
5: Halley_225 + 2

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 86287 Report

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

Pham number 86287 has 30 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Odette_223, Minerva_219, JuicyJay_216, Ariel_228, KashFlow_214, Duke13_224, Bombitas_206, Thibault_196, Pound_211, Ejimix_213, Courthouse_225, Beem_223, DmpstrDiver_221, Optimus_217, Redno2_213, Zelink_214
• Track 2 : Constella_213, Bobby_202, Wanda_220, BAKA_228, Dallas_221, Klein_228
• Track 3 : HokkenD_213, Phoebus_220
• Track 4 : MiaZeal_229, Porcelain_220, Lucky2013_217
• Track 5 : Halley_225, Omega_224, Gonephishing_218

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 19 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_228, Beem_223, Bombitas_206, Courthouse_225, DmpstrDiver_221, Duke13_224, Ejimix_213, Gonephishing_218, Halley_225, HokkenD_213, JuicyJay_216, KashFlow_214, Minerva_219, Odette_223, Omega_224, Optimus_217, Phoebus_220, Pound_211, Redno2_213, Thibault_196, Zelink_214,

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

Genes that do not have the "Most Annotated" start:
• BAKA_228, Bobby_202, Constella_213, Dallas_221, Klein_228, Lucky2013_217, MiaZeal_229, Porcelain_220, Wanda_220,

Summary by start number:

Start 2:
• Found in 21 of 30 (70.0%) of genes in pham
• Manual Annotations of this start: 19 of 28
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Ariel_228 (J), Beem_223 (J), Bombitas_206 (J), Courthouse_225 (J), DmpstrDiver_221 (J), Duke13_224 (J), Ejimix_213 (J), Gonephishing_218 (J), Halley_225 (J), HokkenD_213 (J), JuicyJay_216 (J), KashFlow_214 (J), Minerva_219 (J), Odette_223 (J), Omega_224 (J), Optimus_217 (J), Phoebus_220 (J), Pound_211 (J), Redno2_213 (J), Thibault_196 (J), Zelink_214 (J),

Start 3:
• Found in 9 of 30 (30.0%) of genes in pham
• Manual Annotations of this start: 9 of 28
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BAKA_228 (J), Bobby_202 (J), Constella_213 (J), Dallas_221 (J), Klein_228 (J), Lucky2013_217 (J), MiaZeal_229 (J), Porcelain_220 (J), Wanda_220 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 2 was manually annotated 19 times for cluster J.
•Start number 3 was manually annotated 9 times for cluster J.

Gene Information:

Gene: Ariel_228 Start: 104404, Stop: 104243, Start Num: 2
Candidate Starts for Ariel_228:
(Start: 2 @104404 has 19 MA's), (5, 104371), (7, 104266),

Gene: BAKA_228 Start: 107726, Stop: 107577, Start Num: 3
Candidate Starts for BAKA_228:
(1, 107828), (Start: 3 @107726 has 9 MA's), (4, 107714), (5, 107699), (6, 107693),

Gene: Beem_223 Start: 107271, Stop: 107110, Start Num: 2
Candidate Starts for Beem_223:
(Start: 2 @107271 has 19 MA's), (5, 107238), (7, 107133),

Gene: Bobby_202 Start: 105210, Stop: 105061, Start Num: 3
Candidate Starts for Bobby_202:
(1, 105312), (Start: 3 @105210 has 9 MA's), (4, 105198), (5, 105183), (6, 105177),

Gene: Bombitas_206 Start: 103760, Stop: 103599, Start Num: 2
Candidate Starts for Bombitas_206:
(Start: 2 @103760 has 19 MA's), (5, 103727), (7, 103622),

Gene: Constella_213 Start: 105438, Stop: 105289, Start Num: 3
Candidate Starts for Constella_213:
(1, 105540), (Start: 3 @105438 has 9 MA's), (4, 105426), (5, 105411), (6, 105405),

Gene: Courthouse_225 Start: 105264, Stop: 105103, Start Num: 2
Candidate Starts for Courthouse_225:

(Start: 2 @105264 has 19 MA's), (5, 105231), (7, 105126),

Gene: Dallas_221 Start: 106047, Stop: 105898, Start Num: 3
Candidate Starts for Dallas_221:
(1, 106149), (Start: 3 @106047 has 9 MA's), (4, 106035), (5, 106020), (6, 106014),

Gene: DmpstrDiver_221 Start: 105898, Stop: 105737, Start Num: 2
Candidate Starts for DmpstrDiver_221:
(Start: 2 @105898 has 19 MA's), (5, 105865), (7, 105760),

Gene: Duke13_224 Start: 106696, Stop: 106535, Start Num: 2
Candidate Starts for Duke13_224:
(Start: 2 @106696 has 19 MA's), (5, 106663), (7, 106558),

Gene: Ejimix_213 Start: 105676, Stop: 105515, Start Num: 2
Candidate Starts for Ejimix_213:
(Start: 2 @105676 has 19 MA's), (5, 105643), (7, 105538),

Gene: Gonephishing_218 Start: 104869, Stop: 104720, Start Num: 2
Candidate Starts for Gonephishing_218:
(Start: 2 @104869 has 19 MA's),

Gene: Halley_225 Start: 106277, Stop: 106128, Start Num: 2
Candidate Starts for Halley_225:
(Start: 2 @106277 has 19 MA's),

Gene: HokkenD_213 Start: 107204, Stop: 107043, Start Num: 2
Candidate Starts for HokkenD_213:
(Start: 2 @107204 has 19 MA's), (7, 107066),

Gene: JuicyJay_216 Start: 107220, Stop: 107059, Start Num: 2
Candidate Starts for JuicyJay_216:
(Start: 2 @107220 has 19 MA's), (5, 107187), (7, 107082),

Gene: KashFlow_214 Start: 105577, Stop: 105416, Start Num: 2
Candidate Starts for KashFlow_214:
(Start: 2 @105577 has 19 MA's), (5, 105544), (7, 105439),

Gene: Klein_228 Start: 106432, Stop: 106283, Start Num: 3
Candidate Starts for Klein_228:
(1, 106534), (Start: 3 @106432 has 9 MA's), (4, 106420), (5, 106405), (6, 106399),

Gene: Lucky2013_217 Start: 102608, Stop: 102459, Start Num: 3
Candidate Starts for Lucky2013_217:
(1, 102710), (Start: 3 @102608 has 9 MA's), (4, 102596), (5, 102581), (6, 102575),

Gene: MiaZeal_229 Start: 104747, Stop: 104598, Start Num: 3
Candidate Starts for MiaZeal_229:
(1, 104849), (Start: 3 @104747 has 9 MA's), (4, 104735), (5, 104720), (6, 104714),

Gene: Minerva_219 Start: 104489, Stop: 104328, Start Num: 2
Candidate Starts for Minerva_219:
(Start: 2 @104489 has 19 MA's), (5, 104456), (7, 104351),

Gene: Odette_223 Start: 107334, Stop: 107173, Start Num: 2
Candidate Starts for Odette_223:
(Start: 2 @107334 has 19 MA's), (5, 107301), (7, 107196),

Gene: Omega_224 Start: 106989, Stop: 106840, Start Num: 2
Candidate Starts for Omega_224:
(Start: 2 @106989 has 19 MA's),

Gene: Optimus_217 Start: 105504, Stop: 105343, Start Num: 2
Candidate Starts for Optimus_217:
(Start: 2 @105504 has 19 MA's), (5, 105471), (7, 105366),

Gene: Phoebus_220 Start: 108721, Stop: 108560, Start Num: 2
Candidate Starts for Phoebus_220:
(Start: 2 @108721 has 19 MA's), (7, 108583),

Gene: Porcelain_220 Start: 103555, Stop: 103406, Start Num: 3
Candidate Starts for Porcelain_220:
(1, 103657), (Start: 3 @103555 has 9 MA's), (4, 103543), (5, 103528), (6, 103522),

Gene: Pound_211 Start: 104677, Stop: 104516, Start Num: 2
Candidate Starts for Pound_211:
(Start: 2 @104677 has 19 MA's), (5, 104644), (7, 104539),

Gene: Redno2_213 Start: 103110, Stop: 102949, Start Num: 2
Candidate Starts for Redno2_213:
(Start: 2 @103110 has 19 MA's), (5, 103077), (7, 102972),

Gene: Thibault_196 Start: 101203, Stop: 101042, Start Num: 2
Candidate Starts for Thibault_196:
(Start: 2 @101203 has 19 MA's), (5, 101170), (7, 101065),

Gene: Wanda_220 Start: 104062, Stop: 103913, Start Num: 3
Candidate Starts for Wanda_220:
(1, 104164), (Start: 3 @104062 has 9 MA's), (4, 104050), (5, 104035), (6, 104029),

Gene: Zelink_214 Start: 105447, Stop: 105286, Start Num: 2
Candidate Starts for Zelink_214:
(Start: 2 @105447 has 19 MA's), (5, 105414), (7, 105309),