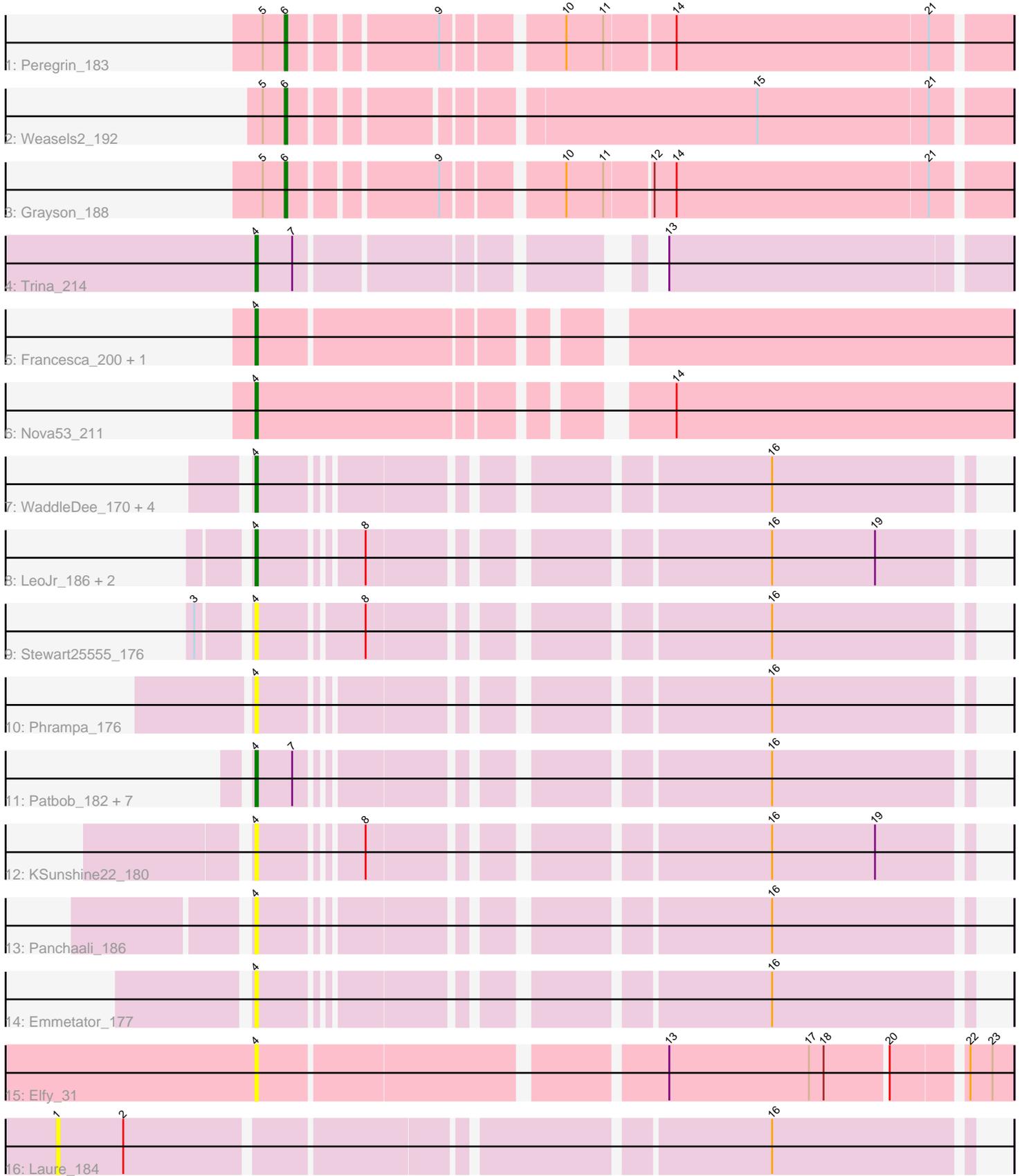


Pham 284064



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 284064 Report

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

Pham number 284064 has 30 members, 16 are drafts.

Phages represented in each track:

- Track 1 : Peregrin_183
- Track 2 : Weasels2_192
- Track 3 : Grayson_188
- Track 4 : Trina_214
- Track 5 : Francesca_200, Dorin_198
- Track 6 : Nova53_211
- Track 7 : WaddleDee_170, BooTeria_182, DunneganBoMo_174, Ellewin_180, Artu_177
- Track 8 : LeoJr_186, ReginaGlobina_190, Atuin_177
- Track 9 : Stewart25555_176
- Track 10 : Phrampa_176
- Track 11 : Patbob_182, GoldenEssence_170, Bloom_187, FloraSnap32_180, Racecar_184, Talia1610_184, Mimi_183, FrostedClock_186
- Track 12 : KSunshine22_180
- Track 13 : Panchaali_186
- Track 14 : Emmetator_177
- Track 15 : Elfy_31
- Track 16 : Laure_184

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

The start number called the most often in the published annotations is 4, it was called in 11 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artu_177, Atuin_177, Bloom_187, BooTeria_182, Dorin_198, DunneganBoMo_174, Elfy_31, Ellewin_180, Emmetator_177, FloraSnap32_180, Francesca_200, FrostedClock_186, GoldenEssence_170, KSunshine22_180, LeoJr_186, Mimi_183, Nova53_211, Panchaali_186, Patbob_182, Phrampa_176, Racecar_184, ReginaGlobina_190, Stewart25555_176, Talia1610_184, Trina_214, WaddleDee_170,

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

-

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

- Grayson_188, Laure_184, Peregrin_183, Weasels2_192,

Summary by start number:

Start 1:

- Found in 1 of 30 (3.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Laure_184 (UNK),

Start 4:

- Found in 26 of 30 (86.7%) of genes in pham
- Manual Annotations of this start: 11 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artu_177 (FC), Atuin_177 (FC), Bloom_187 (FC), BooTeria_182 (FC), Dorin_198 (CG), DunneganBoMo_174 (FC), Elfy_31 (FP), Ellewin_180 (FC), Emmetator_177 (FC), FloraSnap32_180 (FC), Francesca_200 (CG), FrostedClock_186 (FC), GoldenEssence_170 (FC), KSunshine22_180 (FC), LeoJr_186 (FC), Mimi_183 (FC), Nova53_211 (CG), Panchaali_186 (FC), Patbob_182 (FC), Phrampa_176 (FC), Racecar_184 (FC), ReginaGlobina_190 (FC), Stewart25555_176 (FC), Talia1610_184 (FC), Trina_214 (CE), WaddleDee_170 (FC),

Start 6:

- Found in 3 of 30 (10.0%) of genes in pham
- Manual Annotations of this start: 3 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Grayson_188 (CB), Peregrin_183 (CB), Weasels2_192 (CB),

Summary by clusters:

There are 6 clusters represented in this pham: FP, CB, CG, CE, FC, UNK,

Info for manual annotations of cluster CB:

- Start number 6 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster CE:

- Start number 4 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster CG:

- Start number 4 was manually annotated 3 times for cluster CG.

Info for manual annotations of cluster FC:

- Start number 4 was manually annotated 7 times for cluster FC.

Gene Information:

Gene: Artu_177 Start: 120610, Stop: 120864, Start Num: 4

Candidate Starts for Artu_177:

(Start: 4 @120610 has 11 MA's), (16, 120787),

Gene: Atuin_177 Start: 122575, Stop: 122829, Start Num: 4

Candidate Starts for Atuin_177:

(Start: 4 @122575 has 11 MA's), (8, 122611), (16, 122752), (19, 122794),

Gene: Bloom_187 Start: 122149, Stop: 122403, Start Num: 4

Candidate Starts for Bloom_187:

(Start: 4 @122149 has 11 MA's), (7, 122164), (16, 122326),

Gene: BooTeria_182 Start: 120032, Stop: 120286, Start Num: 4

Candidate Starts for BooTeria_182:

(Start: 4 @120032 has 11 MA's), (16, 120209),

Gene: Dorin_198 Start: 108945, Stop: 109226, Start Num: 4

Candidate Starts for Dorin_198:

(Start: 4 @108945 has 11 MA's),

Gene: DunneganBoMo_174 Start: 119214, Stop: 119468, Start Num: 4

Candidate Starts for DunneganBoMo_174:

(Start: 4 @119214 has 11 MA's), (16, 119391),

Gene: Elfy_31 Start: 23896, Stop: 24180, Start Num: 4

Candidate Starts for Elfy_31:

(Start: 4 @23896 has 11 MA's), (13, 24049), (17, 24106), (18, 24112), (20, 24136), (22, 24163), (23, 24172),

Gene: Ellewin_180 Start: 119388, Stop: 119642, Start Num: 4

Candidate Starts for Ellewin_180:

(Start: 4 @119388 has 11 MA's), (16, 119565),

Gene: Emmetator_177 Start: 119534, Stop: 119788, Start Num: 4

Candidate Starts for Emmetator_177:

(Start: 4 @119534 has 11 MA's), (16, 119711),

Gene: FloraSnap32_180 Start: 120480, Stop: 120734, Start Num: 4

Candidate Starts for FloraSnap32_180:

(Start: 4 @120480 has 11 MA's), (7, 120495), (16, 120657),

Gene: Francesca_200 Start: 109865, Stop: 110146, Start Num: 4

Candidate Starts for Francesca_200:

(Start: 4 @109865 has 11 MA's),

Gene: FrostedClock_186 Start: 122724, Stop: 122978, Start Num: 4

Candidate Starts for FrostedClock_186:

(Start: 4 @122724 has 11 MA's), (7, 122739), (16, 122901),

Gene: GoldenEssence_170 Start: 115722, Stop: 115976, Start Num: 4

Candidate Starts for GoldenEssence_170:

(Start: 4 @115722 has 11 MA's), (7, 115737), (16, 115899),

Gene: Grayson_188 Start: 98685, Stop: 98954, Start Num: 6
Candidate Starts for Grayson_188:
(5, 98676), (Start: 6 @98685 has 3 MA's), (9, 98739), (10, 98781), (11, 98796), (12, 98814), (14, 98823), (21, 98925),

Gene: KSunshine22_180 Start: 121028, Stop: 121282, Start Num: 4
Candidate Starts for KSunshine22_180:
(Start: 4 @121028 has 11 MA's), (8, 121064), (16, 121205), (19, 121247),

Gene: Laure_184 Start: 113724, Stop: 114068, Start Num: 1
Candidate Starts for Laure_184:
(1, 113724), (2, 113751), (16, 113991),

Gene: LeoJr_186 Start: 123129, Stop: 123383, Start Num: 4
Candidate Starts for LeoJr_186:
(Start: 4 @123129 has 11 MA's), (8, 123165), (16, 123306), (19, 123348),

Gene: Mimi_183 Start: 121776, Stop: 122030, Start Num: 4
Candidate Starts for Mimi_183:
(Start: 4 @121776 has 11 MA's), (7, 121791), (16, 121953),

Gene: Nova53_211 Start: 113820, Stop: 114104, Start Num: 4
Candidate Starts for Nova53_211:
(Start: 4 @113820 has 11 MA's), (14, 113967),

Gene: Panchaali_186 Start: 120271, Stop: 120525, Start Num: 4
Candidate Starts for Panchaali_186:
(Start: 4 @120271 has 11 MA's), (16, 120448),

Gene: Patbob_182 Start: 122338, Stop: 122592, Start Num: 4
Candidate Starts for Patbob_182:
(Start: 4 @122338 has 11 MA's), (7, 122353), (16, 122515),

Gene: Peregrin_183 Start: 97131, Stop: 97400, Start Num: 6
Candidate Starts for Peregrin_183:
(5, 97122), (Start: 6 @97131 has 3 MA's), (9, 97185), (10, 97227), (11, 97242), (14, 97269), (21, 97371),

Gene: Phrampa_176 Start: 123930, Stop: 124184, Start Num: 4
Candidate Starts for Phrampa_176:
(Start: 4 @123930 has 11 MA's), (16, 124107),

Gene: Racecar_184 Start: 122742, Stop: 122996, Start Num: 4
Candidate Starts for Racecar_184:
(Start: 4 @122742 has 11 MA's), (7, 122757), (16, 122919),

Gene: ReginaGlobina_190 Start: 124398, Stop: 124652, Start Num: 4
Candidate Starts for ReginaGlobina_190:
(Start: 4 @124398 has 11 MA's), (8, 124434), (16, 124575), (19, 124617),

Gene: Stewart25555_176 Start: 121983, Stop: 122240, Start Num: 4
Candidate Starts for Stewart25555_176:
(3, 121965), (Start: 4 @121983 has 11 MA's), (8, 122022), (16, 122163),

Gene: Talia1610_184 Start: 122159, Stop: 122413, Start Num: 4
Candidate Starts for Talia1610_184:
(Start: 4 @122159 has 11 MA's), (7, 122174), (16, 122336),

Gene: Trina_214 Start: 114781, Stop: 115047, Start Num: 4
Candidate Starts for Trina_214:
(Start: 4 @114781 has 11 MA's), (7, 114796), (13, 114913),

Gene: WaddleDee_170 Start: 118487, Stop: 118741, Start Num: 4
Candidate Starts for WaddleDee_170:
(Start: 4 @118487 has 11 MA's), (16, 118664),

Gene: Weasels2_192 Start: 102336, Stop: 102605, Start Num: 6
Candidate Starts for Weasels2_192:
(5, 102327), (Start: 6 @102336 has 3 MA's), (15, 102507), (21, 102576),