Pham 203532

1: Sassay_105 + 9

2: AuntGwenStacy_30

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 203532 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203532 has 11 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Sassay_105, Palpatine_111, FairyPath_110, MISSy_111, GoldenSpark_114, Amao_110, Policronamos_114, Petra64142_114, BilboSwaggins_109, Command613_112
• Track 2 : AuntGwenStacy_30

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

The start number called the most often in the published annotations is 7, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amao_110, BilboSwaggins_109, Command613_112, FairyPath_110, GoldenSpark_114, MISSy_111, Palpatine_111, Petra64142_114, Policronamos_114, Sassay_105,

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

Genes that do not have the "Most Annotated" start:
• AuntGwenStacy_30,

Summary by start number:

Start 7:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amao_110 (E), BilboSwaggins_109 (E), Command613_112 (E), FairyPath_110 (E), GoldenSpark_114 (E), MISSy_111 (E), Palpatine_111 (E), Petra64142_114 (E), Policronamos_114 (E), Sassay_105 (E),

Start 10:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.

• Called 100.0% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_30 (Y),

Summary by clusters:

There are 2 clusters represented in this pham: Y, E,

Info for manual annotations of cluster E:
•Start number 7 was manually annotated 4 times for cluster E.

Gene Information:

Gene: Amao_110 Start: 63350, Stop: 63583, Start Num: 7
Candidate Starts for Amao_110:
(4, 63320), (Start: 7 @63350 has 4 MA's), (12, 63425), (17, 63542),

Gene: AuntGwenStacy_30 Start: 27603, Stop: 27782, Start Num: 10
Candidate Starts for AuntGwenStacy_30:
(1, 27231), (2, 27507), (3, 27510), (5, 27519), (6, 27537), (8, 27561), (9, 27564), (10, 27603), (11, 27606), (13, 27660), (14, 27663), (15, 27672), (16, 27732),

Gene: BilboSwaggins_109 Start: 63813, Stop: 64046, Start Num: 7
Candidate Starts for BilboSwaggins_109:
(4, 63783), (Start: 7 @63813 has 4 MA's), (12, 63888), (17, 64005),

Gene: Command613_112 Start: 63309, Stop: 63542, Start Num: 7
Candidate Starts for Command613_112:
(4, 63279), (Start: 7 @63309 has 4 MA's), (12, 63384), (17, 63501),

Gene: FairyPath_110 Start: 63911, Stop: 64144, Start Num: 7
Candidate Starts for FairyPath_110:
(4, 63881), (Start: 7 @63911 has 4 MA's), (12, 63986), (17, 64103),

Gene: GoldenSpark_114 Start: 63000, Stop: 63233, Start Num: 7
Candidate Starts for GoldenSpark_114:
(4, 62970), (Start: 7 @63000 has 4 MA's), (12, 63075), (17, 63192),

Gene: MISSy_111 Start: 63925, Stop: 64158, Start Num: 7
Candidate Starts for MISSy_111:
(4, 63895), (Start: 7 @63925 has 4 MA's), (12, 64000), (17, 64117),

Gene: Palpatine_111 Start: 64137, Stop: 64370, Start Num: 7
Candidate Starts for Palpatine_111:
(4, 64107), (Start: 7 @64137 has 4 MA's), (12, 64212), (17, 64329),

Gene: Petra64142_114 Start: 63982, Stop: 64215, Start Num: 7
Candidate Starts for Petra64142_114:
(4, 63952), (Start: 7 @63982 has 4 MA's), (12, 64057), (17, 64174),

Gene: Policronamos_114 Start: 64146, Stop: 64379, Start Num: 7

Candidate Starts for Policronamos_114:
(4, 64116), (Start: 7 @64146 has 4 MA's), (12, 64221), (17, 64338),

Gene: Sassay_105 Start: 61765, Stop: 61998, Start Num: 7
Candidate Starts for Sassay_105:
(4, 61735), (Start: 7 @61765 has 4 MA's), (12, 61840), (17, 61957),