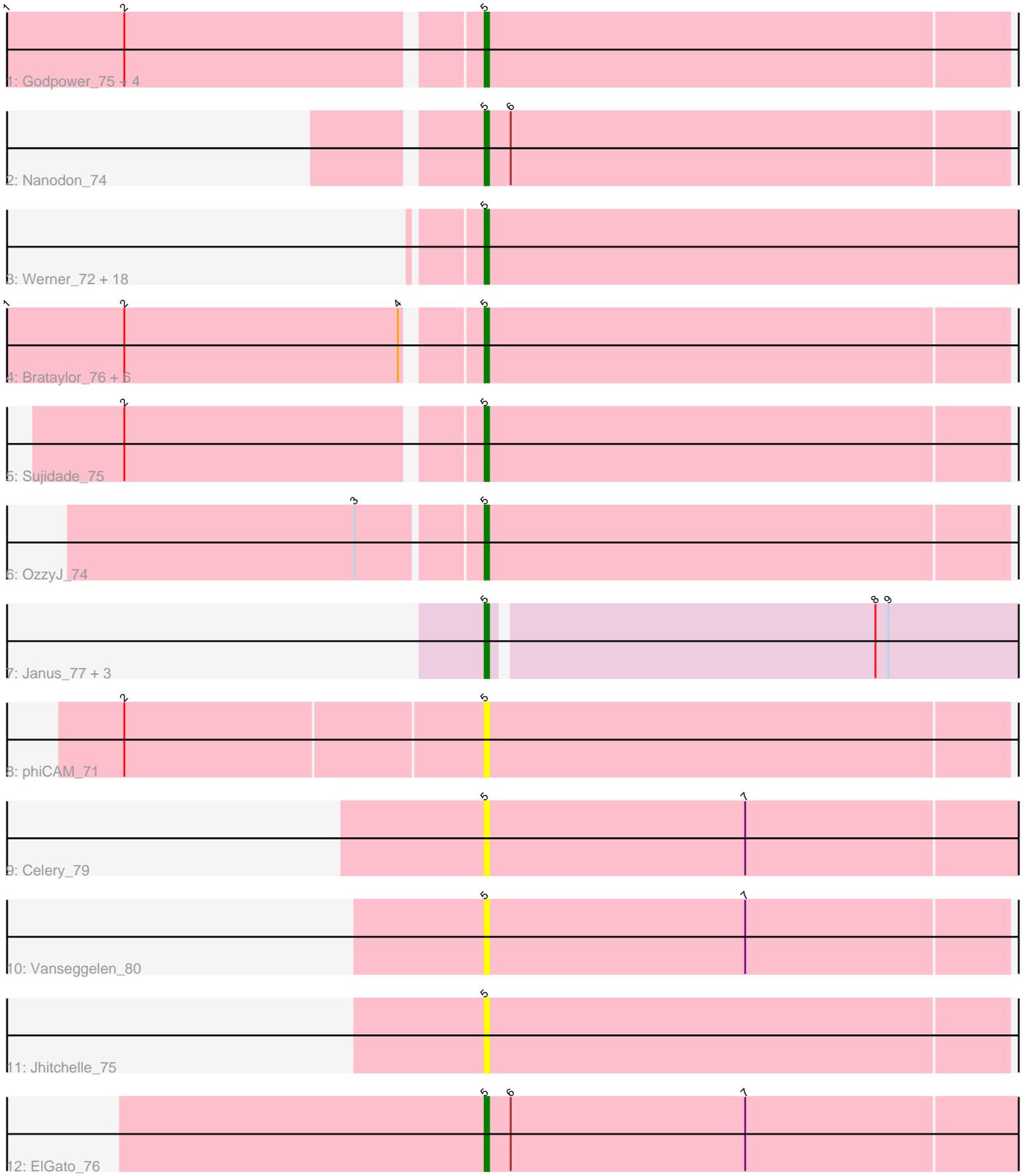# Pham 289531

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 289531 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289531 has 43 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Godpower_75, Goby_75, Dattran_76, Lika_74, Toma_75
• Track 2 : Nanodon_74
• Track 3 : Werner_72, Whatever_72, Snorlax_72, Yasdnil_72, Dwayne_72, BarryBee_75, Chucky_72, Maneekul_72, Katalie_71, Asten_72, TagePhighter_74, Emaanora_75, Ejemplo_70, RedBear_72, Hippo_72, SarahRose_72, TuanPN_70, South40_71, Triste_73
• Track 4 : Brataylor_76, Celeste_75, Zemlya_75, Danzina_75, Nabi_75, Lorelei_74, Rana_75
• Track 5 : Sujidade_75
• Track 6 : OzzyJ_74
• Track 7 : Janus_77, Animus_76, GirlDinner_76, Pablito_75
• Track 8 : phiCAM_71
• Track 9 : Celery_79
• Track 10 : Vanseggelen_80
• Track 11 : Jhitchelle_75
• Track 12 : ElGato_76

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

The start number called the most often in the published annotations is 5, it was called in 39 of the 39 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Animus_76, Asten_72, BarryBee_75, Brataylor_76, Celery_79, Celeste_75, Chucky_72, Danzina_75, Dattran_76, Dwayne_72, Ejemplo_70, ElGato_76, Emaanora_75, GirlDinner_76, Goby_75, Godpower_75, Hippo_72, Janus_77, Jhitchelle_75, Katalie_71, Lika_74, Lorelei_74, Maneekul_72, Nabi_75, Nanodon_74, OzzyJ_74, Pablito_75, Rana_75, RedBear_72, SarahRose_72, Snorlax_72, South40_71, Sujidade_75, TagePhighter_74, Toma_75, Triste_73, TuanPN_70, Vanseggelen_80, Werner_72, Whatever_72, Yasdnil_72, Zemlya_75, phiCAM_71,

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

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

Summary by start number:

Start 5:
• Found in 43 of 43 (100.0%) of genes in pham
• Manual Annotations of this start: 39 of 39
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Animus_76 (BD2), Asten_72 (BD1), BarryBee_75 (BD1), Brataylor_76 (BD1), Celery_79 (BD3), Celeste_75 (BD1), Chucky_72 (BD1), Danzina_75 (BD1), Dattran_76 (BD1), Dwayne_72 (BD1), Ejemplo_70 (BD1), ElGato_76 (BD3), Emaanora_75 (BD1), GirlDinner_76 (BD2), Goby_75 (BD1), Godpower_75 (BD1), Hippo_72 (BD1), Janus_77 (BD2), Jhitchelle_75 (BD3), Katalie_71 (BD1), Lika_74 (BD1), Lorelei_74 (BD1), Maneekul_72 (BD1), Nabi_75 (BD1), Nanodon_74 (BD1), OzzyJ_74 (BD1), Pablito_75 (BD2), Rana_75 (BD1), RedBear_72 (BD1), SarahRose_72 (BD1), Snorlax_72 (BD1), South40_71 (BD1), Sujidade_75 (BD1), TagePhighter_74 (BD1), Toma_75 (BD1), Triste_73 (BD1), TuanPN_70 (BD1), Vanseggelen_80 (BD3), Werner_72 (BD1), Whatever_72 (BD1), Yasdnil_72 (BD1), Zemlya_75 (BD1), phiCAM_71 (BD3),

Summary by clusters:

There are 3 clusters represented in this pham: BD1, BD3, BD2,

Info for manual annotations of cluster BD1:
•Start number 5 was manually annotated 34 times for cluster BD1.

Info for manual annotations of cluster BD2:
•Start number 5 was manually annotated 4 times for cluster BD2.

Info for manual annotations of cluster BD3:
•Start number 5 was manually annotated 1 time for cluster BD3.

Gene Information:
Gene: Animus_76 Start: 49223, Stop: 49089, Start Num: 5
Candidate Starts for Animus_76:
(Start: 5 @49223 has 39 MA's), (8, 49136), (9, 49133),

Gene: Asten_72 Start: 50265, Stop: 50125, Start Num: 5
Candidate Starts for Asten_72:
(Start: 5 @50265 has 39 MA's),

Gene: BarryBee_75 Start: 50238, Stop: 50098, Start Num: 5
Candidate Starts for BarryBee_75:
(Start: 5 @50238 has 39 MA's),

Gene: Brataylor_76 Start: 49765, Stop: 49646, Start Num: 5
Candidate Starts for Brataylor_76:

(1, 49870), (2, 49843), (4, 49780), (Start: 5 @49765 has 39 MA's),

Gene: Celery_79 Start: 47205, Stop: 47068, Start Num: 5
Candidate Starts for Celery_79:
(Start: 5 @47205 has 39 MA's), (7, 47145),

Gene: Celeste_75 Start: 49233, Stop: 49114, Start Num: 5
Candidate Starts for Celeste_75:
(1, 49338), (2, 49311), (4, 49248), (Start: 5 @49233 has 39 MA's),

Gene: Chucky_72 Start: 50300, Stop: 50160, Start Num: 5
Candidate Starts for Chucky_72:
(Start: 5 @50300 has 39 MA's),

Gene: Danzina_75 Start: 49471, Stop: 49352, Start Num: 5
Candidate Starts for Danzina_75:
(1, 49576), (2, 49549), (4, 49486), (Start: 5 @49471 has 39 MA's),

Gene: Dattran_76 Start: 49683, Stop: 49564, Start Num: 5
Candidate Starts for Dattran_76:
(1, 49788), (2, 49761), (Start: 5 @49683 has 39 MA's),

Gene: Dwayne_72 Start: 50288, Stop: 50148, Start Num: 5
Candidate Starts for Dwayne_72:
(Start: 5 @50288 has 39 MA's),

Gene: Ejemplo_70 Start: 50226, Stop: 50086, Start Num: 5
Candidate Starts for Ejemplo_70:
(Start: 5 @50226 has 39 MA's),

Gene: ElGato_76 Start: 47511, Stop: 47371, Start Num: 5
Candidate Starts for ElGato_76:
(Start: 5 @47511 has 39 MA's), (6, 47505), (7, 47451),

Gene: Emaanora_75 Start: 50212, Stop: 50072, Start Num: 5
Candidate Starts for Emaanora_75:
(Start: 5 @50212 has 39 MA's),

Gene: GirlDinner_76 Start: 48721, Stop: 48587, Start Num: 5
Candidate Starts for GirlDinner_76:
(Start: 5 @48721 has 39 MA's), (8, 48634), (9, 48631),

Gene: Goby_75 Start: 50100, Stop: 49981, Start Num: 5
Candidate Starts for Goby_75:
(1, 50205), (2, 50178), (Start: 5 @50100 has 39 MA's),

Gene: Godpower_75 Start: 49394, Stop: 49275, Start Num: 5
Candidate Starts for Godpower_75:
(1, 49499), (2, 49472), (Start: 5 @49394 has 39 MA's),

Gene: Hippo_72 Start: 50274, Stop: 50134, Start Num: 5
Candidate Starts for Hippo_72:
(Start: 5 @50274 has 39 MA's),

Gene: Janus_77 Start: 49058, Stop: 48924, Start Num: 5
Candidate Starts for Janus_77:
(Start: 5 @49058 has 39 MA's), (8, 48971), (9, 48968),

Gene: Jhitchelle_75 Start: 46825, Stop: 46706, Start Num: 5
Candidate Starts for Jhitchelle_75:
(Start: 5 @46825 has 39 MA's),

Gene: Katalie_71 Start: 49994, Stop: 49854, Start Num: 5
Candidate Starts for Katalie_71:
(Start: 5 @49994 has 39 MA's),

Gene: Lika_74 Start: 49947, Stop: 49828, Start Num: 5
Candidate Starts for Lika_74:
(1, 50052), (2, 50025), (Start: 5 @49947 has 39 MA's),

Gene: Lorelei_74 Start: 49244, Stop: 49125, Start Num: 5
Candidate Starts for Lorelei_74:
(1, 49349), (2, 49322), (4, 49259), (Start: 5 @49244 has 39 MA's),

Gene: Maneekul_72 Start: 50305, Stop: 50165, Start Num: 5
Candidate Starts for Maneekul_72:
(Start: 5 @50305 has 39 MA's),

Gene: Nabi_75 Start: 49813, Stop: 49694, Start Num: 5
Candidate Starts for Nabi_75:
(1, 49918), (2, 49891), (4, 49828), (Start: 5 @49813 has 39 MA's),

Gene: Nanodon_74 Start: 48794, Stop: 48675, Start Num: 5
Candidate Starts for Nanodon_74:
(Start: 5 @48794 has 39 MA's), (6, 48788),

Gene: OzzyJ_74 Start: 50171, Stop: 50052, Start Num: 5
Candidate Starts for OzzyJ_74:
(3, 50198), (Start: 5 @50171 has 39 MA's),

Gene: Pablito_75 Start: 47878, Stop: 47744, Start Num: 5
Candidate Starts for Pablito_75:
(Start: 5 @47878 has 39 MA's), (8, 47791), (9, 47788),

Gene: Rana_75 Start: 49666, Stop: 49547, Start Num: 5
Candidate Starts for Rana_75:
(1, 49771), (2, 49744), (4, 49681), (Start: 5 @49666 has 39 MA's),

Gene: RedBear_72 Start: 49994, Stop: 49854, Start Num: 5
Candidate Starts for RedBear_72:
(Start: 5 @49994 has 39 MA's),

Gene: SarahRose_72 Start: 50275, Stop: 50135, Start Num: 5
Candidate Starts for SarahRose_72:
(Start: 5 @50275 has 39 MA's),

Gene: Snorlax_72 Start: 50300, Stop: 50160, Start Num: 5
Candidate Starts for Snorlax_72:
(Start: 5 @50300 has 39 MA's),

Gene: South40_71 Start: 49994, Stop: 49854, Start Num: 5
Candidate Starts for South40_71:
(Start: 5 @49994 has 39 MA's),

Gene: Sujidade_75 Start: 50244, Stop: 50125, Start Num: 5
Candidate Starts for Sujidade_75:
(2, 50322), (Start: 5 @50244 has 39 MA's),

Gene: TagePhighter_74 Start: 50275, Stop: 50135, Start Num: 5
Candidate Starts for TagePhighter_74:
(Start: 5 @50275 has 39 MA's),

Gene: Toma_75 Start: 50103, Stop: 49984, Start Num: 5
Candidate Starts for Toma_75:
(1, 50208), (2, 50181), (Start: 5 @50103 has 39 MA's),

Gene: Triste_73 Start: 50274, Stop: 50134, Start Num: 5
Candidate Starts for Triste_73:
(Start: 5 @50274 has 39 MA's),

Gene: TuanPN_70 Start: 50226, Stop: 50086, Start Num: 5
Candidate Starts for TuanPN_70:
(Start: 5 @50226 has 39 MA's),

Gene: Vanseggelen_80 Start: 47398, Stop: 47279, Start Num: 5
Candidate Starts for Vanseggelen_80:
(Start: 5 @47398 has 39 MA's), (7, 47338),

Gene: Werner_72 Start: 50272, Stop: 50132, Start Num: 5
Candidate Starts for Werner_72:
(Start: 5 @50272 has 39 MA's),

Gene: Whatever_72 Start: 50297, Stop: 50157, Start Num: 5
Candidate Starts for Whatever_72:
(Start: 5 @50297 has 39 MA's),

Gene: Yasdnil_72 Start: 50324, Stop: 50184, Start Num: 5
Candidate Starts for Yasdnil_72:
(Start: 5 @50324 has 39 MA's),

Gene: Zemlya_75 Start: 49774, Stop: 49655, Start Num: 5
Candidate Starts for Zemlya_75:
(1, 49879), (2, 49852), (4, 49789), (Start: 5 @49774 has 39 MA's),

Gene: phiCAM_71 Start: 48995, Stop: 48876, Start Num: 5
Candidate Starts for phiCAM_71:
(2, 49076), (Start: 5 @48995 has 39 MA's),