

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 277821 Report

This analysis was run 02/07/26 on database version 634.

Pham number 277821 has 262 members, 26 are drafts.

Phages represented in each track:

- Track 1 : LordVader_10
- Track 2 : SimranZ1_9, Leozinho_9, Spikelee_9, Plumbus_9, Boomer_9, Beakin_9, OwlsT2W_9, Emmaloid_9, Flathead_9, Rialto_9, Peridot_10, MulchExplorer_10, Slim_9, Beanstalk_9, Squirty_9, Ramsey_9, Madiba_9, Tchotchke_9, LittleShirley_9, Girafales_9, DosHalletts_9, Starceвич_9, Brushbloom_9, Frankie_9, DaWorst_9, Pollywog_9, Kimberlium_9, Hegedechwinu_9, Juice456_9, Quico_9, Totinger_9
- Track 3 : TootsiePop_9, Aloeri_9, ChickenDinner_9, DocMcStuffins_9, Mova_9, Misha28_9, Tootsieroll_9
- Track 4 : Violac_8, Leperchaun_8, Brocalys_8, Koella_8, Dante_8, EmiMonkey_8, BodEinwohner17_8, Sandalphon_8, LilMoolah_8, KingMidas_8, Nimbo_8, Estave1_8, ByChance_8, Eradicator_8, Gandolph_8, PHappiness_8, RedBird_8, Phatniss_8, FreddyB_8, Poenanya_8, TDanisky_8, Gorge_8, Minnie_8, Saal_8, Mahavrat_8, JoeyJr_8, Llij_8, Empress_8, Dorothy_8, Radiance_8, Clifton_8, Jennelsea_8, Blexus_8, Inventum_8, OldBen_8, Doug_8, Sparkdehlily_8, Geralt_8, Vivum_8, NormanBulbieJr_8, Cabrinians_8, MadMen_8, Sassafras_8, Pacc40_8, BlueCrab_8, RitaG_8, IbOuu_8, Daenerys_8, Doomphist_8, PhlipPhlop_8, Rockne_8, Pippy_8, DRBy19_8, Polka14_8, Priscilla_8, Scottish_8, DaddyRickover_8, PMC_8, Deb65_8
- Track 5 : Kersh_8
- Track 6 : DotProduct_8, QuickMath_8, Kenuha5_8, Rita_8, Firehouse51_8, DoRead_8, DeadP_8, Hamulus_8, SuperGrey_8, Akhila_9, Bipolar_8, KristaRAM_9, Taj_8, MilleniumForce_9, Ms6_8, Emma_8, DillTech15_8, Ardmore_8, Topiatin_10, MilanaBonita_9, SG4_8, Wee_8, Jant_8, DLane_8, Guppsters_8, IMpilo_8, SiSi_8
- Track 7 : WillSterrel_8, Spartacus_8, Mutaforma13_8, IrishSherpFalk_8
- Track 8 : Alexphander_9, Lorde_9, Enby_9, Drago_9, UncleRicky_9, Oksu_9, Lucia_9
- Track 9 : Tweety_8, KingJulian_8, Corium_8, PatoPoderoso_8, Medindi_8, Krakatau_9, XFactor_8, PhesterPhotato_8, CaptainTrips_9, PopTart_8, ShroomBoi_8, Batiatius_8, Filuzino_8, StAnnes_8, Ovechkin_8, Phalconet_8, MinionDave_9, Fruitloop_8, SassyB_8, Chuckly_8, Melissau88_8, Royals2015_8, Whatsapiecost_8
- Track 10 : Ochi17_8, Mattes_8, BobaPhett_8, Seabastian_8, OfUltron_8, Llama_8, LastJedi_8, AlpineSix_8, Modragons_8, Hlubikazi_8, Mandlovu_8, MulchSalad_8, James_8, Fancypants_8, Jinglebell_8, Strokeseat_8
- Track 11 : Brookers_9, BigPhil_9, Kingsley_9, Cerasum_9, Sarma624_9, Velveteen_9
- Track 12 : Coco12_9, Marker_9

- Track 13 : Galactic_8, LunaBlu_8, NewHope4_8, Polo2Bam_9
- Track 14 : Ogopogo_11
- Track 15 : Chevrolet_8, ArcusAngelus_8
- Track 16 : Bobi_9, BuzzLyseyear_9, Seagreen_9, JalFarm20_9, Stap_9
- Track 17 : SwagPigglett_8, Zizzle_8, Burwell21_8, Lizziana_8, Maravista_8, ShowerHandel_8, Jarcob_8, Nivrat_8, Martik_8, Philus_8, ShiLan_8
- Track 18 : RockyHorror_9
- Track 19 : Eish_8, Phasih_8, MisterCuddles_8, Latretium_8, Girr_8, Ruby_8, Whouxphf_8
- Track 20 : Wachhund_8, Spoonbill_8, Byougenkin_8
- Track 21 : Karhdo_8, Veteran_8, GUmbie_8
- Track 22 : Crumble_8, VRedHorse_8, Donkeykong_8, Florinda_8, GigiOuiOui_8, Nitzel_9, Zerg_8, Cheesepuff_8, OlympiaSaint_8, Moonbeam_8, Mantra_8, Bubbles123_8
- Track 23 : Ibhubesi_8, Harley_8
- Track 24 : Piper2020_9, Awesomesauce_9
- Track 25 : Mwanjiwa_8
- Track 26 : Job42_9
- Track 27 : Aubs_8
- Track 28 : Che8_8
- Track 29 : Sabbb_8
- Track 30 : Mozy_9
- Track 31 : Cornucopia_9
- Track 32 : Fastidio_8
- Track 33 : EleanorGeorge_8
- Track 34 : Grimmer_9
- Track 35 : Juniper1_8
- Track 36 : Phanphagia_8, Shauna1_8
- Track 37 : DirtMcgirt_9
- Track 38 : Hades_8
- Track 39 : Yorick_8
- Track 40 : TChen_9, LunaStella_9, ThetaBob_9, Renaud18_9
- Track 41 : Toron_9
- Track 42 : P3MA_10
- Track 43 : TPA4_10
- Track 44 : DS6A_13
- Track 45 : Juicebox_11

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

The start number called the most often in the published annotations is 10, it was called in 233 of the 236 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• Akhila_9, Alexphander_9, Aloeri_9, AlpineSix_8, ArcusAngelus_8, Ardmore_8, Aubs_8, Awesomesauce_9, Batiatius_8, Beakin_9, Beanstalk_9, BigPhil_9, Bipolar_8, Blexus_8, BlueCrab_8, BobaPhett_8, Bobi_9, BodEinwohner17_8, Boomer_9, Brocalys_8, Brookers_9, Brushbloom_9, Bubbles123_8, Burwell21_8, BuzzLyseyear_9, ByChance_8, Byougenkin_8, Cabrinians_8, CaptainTrips_9, Cerasum_9, Che8_8, Cheesepuff_8, Chevrolet_8, ChickenDinner_9, Chuckly_8,

Phasih_8 (F1), Phatniss_8 (F1), PhesterPhotato_8 (F1), Philus_8 (F1), PhilipPhlop_8 (F1), Piper2020_9 (F1), Pippy_8 (F1), Plumbus_9 (F1), Poenanya_8 (F1), Polka14_8 (F1), Pollywog_9 (F1), Polo2Bam_9 (F1), PopTart_8 (F1), Priscilla_8 (F1), QuickMath_8 (F1), Quico_9 (F1), Radiance_8 (F1), Ramsey_9 (F1), RedBird_8 (F1), Renaud18_9 (F4), Rialto_9 (F1), RitaG_8 (F1), Rita_8 (F1), Rockne_8 (F1), RockyHorror_9 (F1), Royals2015_8 (F1), Ruby_8 (F1), SG4_8 (F1), Saal_8 (F1), Sabb_8 (F1), Sandalphon_8 (F1), Sarma624_9 (F1), Sassafras_8 (F1), SassyB_8 (F1), Scottish_8 (F1), Seabastian_8 (F1), Seagreen_9 (F1), Shauna1_8 (F1), ShiLan_8 (F1), ShowerHandel_8 (F1), ShroomBoi_8 (F1), SiSi_8 (F1), SimranZ1_9 (F1), Slim_9 (F1), Sparkdehlily_8 (F1), Spartacus_8 (F1), Spikelee_9 (F1), Spoonbill_8 (F1), Squirty_9 (F3), StAnnes_8 (F1), Stap_9 (F1), Starceovich_9 (F1), Strokeseat_8 (F1), SuperGrey_8 (F1), SwagPigglett_8 (F1), TChen_9 (F4), TDanisky_8 (F1), Taj_8 (F1), Tchotchke_9 (F1), ThetaBob_9 (F4), TootsiePop_9 (F1), Tootsieroll_9 (F1), Topiatin_10 (F1), Toron_9 (F6), Totinger_9 (F1), Tweety_8 (F1), UncleRicky_9 (F1), VRedHorse_8 (F1), Velveteen_9 (F1), Veteran_8 (F1), Violac_8 (F1), Vivum_8 (F1), Wachhund_8 (F1), Wee_8 (F1), Whatsapiecost_8 (F1), Whouxphf_8 (F1), WillSterrel_8 (F1), XFactor_8 (F1), Yorick_8 (F1), Zerg_8 (F1), Zizzle_8 (F1),

Start 11:

- Found in 1 of 262 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 236
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DS6A_13 (singleton),

Summary by clusters:

There are 7 clusters represented in this pham: F1, singleton, F3, F4, F6, F7, F,

Info for manual annotations of cluster F1:

- Start number 10 was manually annotated 228 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 10 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 10 was manually annotated 4 times for cluster F4.

Gene Information:

Gene: Akhila_9 Start: 7094, Stop: 7426, Start Num: 10

Candidate Starts for Akhila_9:

(Start: 10 @7094 has 233 MA's), (13, 7118), (14, 7136), (16, 7175), (19, 7196), (21, 7211), (23, 7229), (25, 7247), (32, 7271), (34, 7283), (36, 7289), (38, 7301), (39, 7307), (42, 7337), (48, 7370),

Gene: Alexphander_9 Start: 6296, Stop: 6625, Start Num: 10

Candidate Starts for Alexphander_9:

(48, 6720), (50, 6747), (51, 6750), (53, 6768),

Gene: Zizzle_8 Start: 6447, Stop: 6776, Start Num: 10

Candidate Starts for Zizzle_8:

(1, 6177), (2, 6354), (Start: 10 @6447 has 233 MA's), (13, 6471), (15, 6510), (18, 6543), (20, 6555),
(22, 6576), (23, 6582), (24, 6585), (26, 6603), (34, 6636), (38, 6654), (39, 6660), (41, 6672), (42, 6690),
(44, 6699), (48, 6723), (49, 6741), (50, 6750), (51, 6753), (53, 6771),