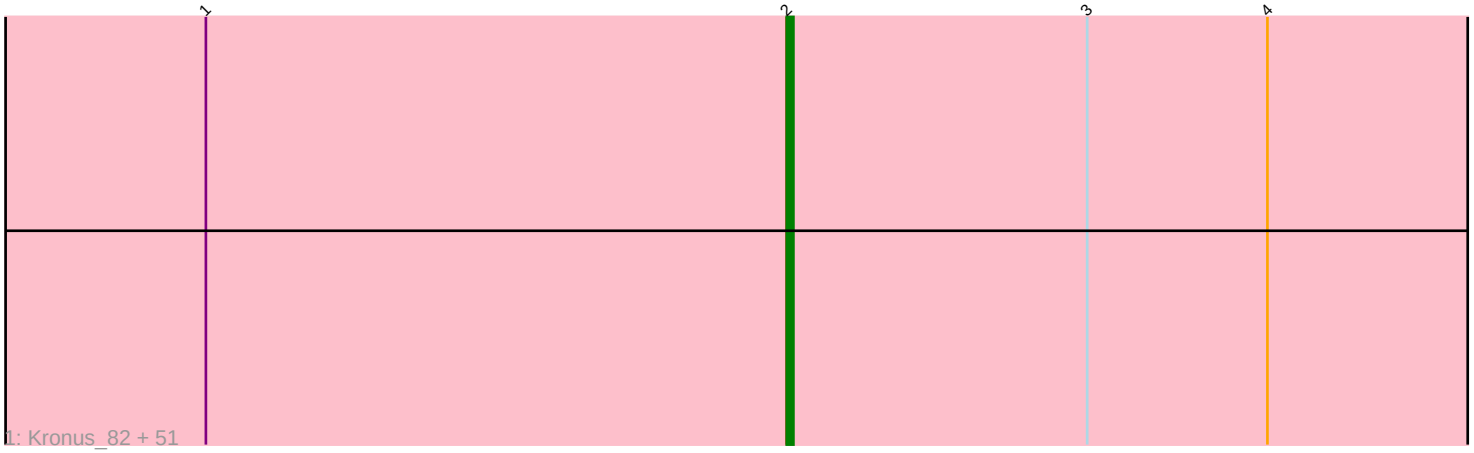
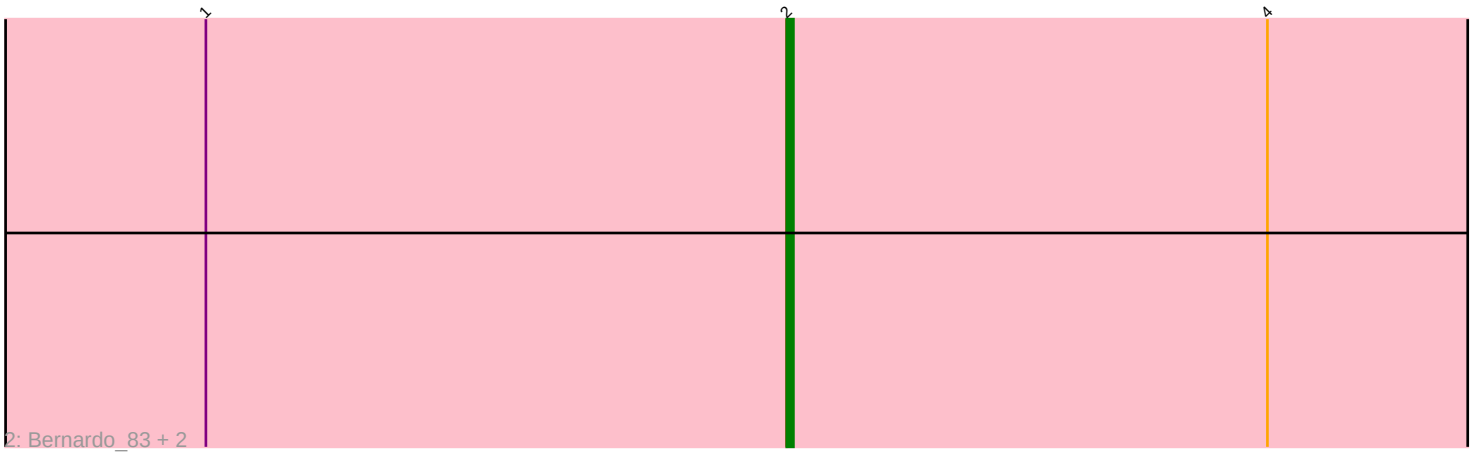
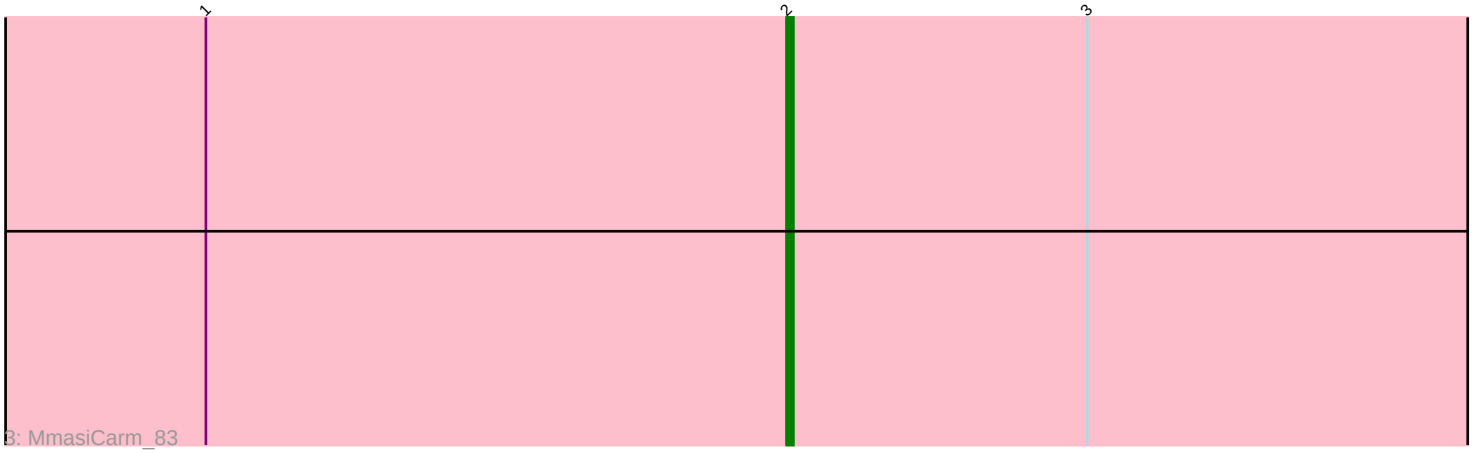
Pham 345790







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 345790 Report

This analysis was run 11/14/26 on database version 672.

Pham number 345790 has 56 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Kronus_82, LestyG_80, Audrey_82, Jackstina_76, Tydolla_78, GlenHope_83, Nozo_82, Marlia_83, Mortcellus_82, Heathcliff_82, Compostia_81, Ben11_82, Baloo_81, Abinghost_82, Rita1961_83, OrangeOswald_81, Obutu_84, Yinz_82, Briakila_82, Athena_84, Casbah_82, Mulaychimus_83, Philly_81, HarveySr_81, Shenandoah_81, Morty007_81, Gadjet_83, TinyTerror_83, Phlyer_82, Phayeta_85, Chandler_82, Devonte_80, RagingRooster_81, RomaT_82, Deenasa_82, Phaedrus_77, Daisy_81, Chalmers_81, Gervas_83, Neos5_82, SynergyX_82, SwainyDoc_83, Corofin_82, Kamiyu_82, Marley1013_83, Pipefish_84, SlippinJimmy_85, Yahalom_80, Halfpint_81, Olivio_82, Glubnar_83, Chentzyk_84
• Track 2 : Bernardo_83, ChaChing_82, Akoma_82
• Track 3 : MmasiCarm_83

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 53 of the 53 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abinghost_82, Akoma_82, Athena_84, Audrey_82, Baloo_81, Ben11_82, Bernardo_83, Briakila_82, Casbah_82, ChaChing_82, Chalmers_81, Chandler_82, Chentzyk_84, Compostia_81, Corofin_82, Daisy_81, Deenasa_82, Devonte_80, Gadjet_83, Gervas_83, GlenHope_83, Glubnar_83, Halfpint_81, HarveySr_81, Heathcliff_82, Jackstina_76, Kamiyu_82, Kronus_82, LestyG_80, Marley1013_83, Marlia_83, MmasiCarm_83, Mortcellus_82, Morty007_81, Mulaychimus_83, Neos5_82, Nozo_82, Obutu_84, Olivio_82, OrangeOswald_81, Phaedrus_77, Phayeta_85, Philly_81, Phlyer_82, Pipefish_84, RagingRooster_81, Rita1961_83, RomaT_82, Shenandoah_81, SlippinJimmy_85, SwainyDoc_83, SynergyX_82, TinyTerror_83, Tydolla_78, Yahalom_80, Yinz_82,

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 2:
• Found in 56 of 56 (100.0%) of genes in pham
• Manual Annotations of this start: 53 of 53
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abinghost_82 (B3), Akoma_82 (B3), Athena_84 (B3), Audrey_82 (B3), Baloo_81 (B3), Ben11_82 (B3), Bernardo_83 (B3), Briakila_82 (B3), Casbah_82 (B3), ChaChing_82 (B3), Chalmers_81 (B3), Chandler_82 (B3), Chentzyk_84 (B3), Compostia_81 (B3), Corofin_82 (B3), Daisy_81 (B3), Deenasa_82 (B3), Devonte_80 (B3), Gadjet_83 (B3), Gervas_83 (B3), GlenHope_83 (B3), Glubnar_83 (B3), Halfpint_81 (B3), HarveySr_81 (B3), Heathcliff_82 (B3), Jackstina_76 (B3), Kamiyu_82 (B3), Kronus_82 (B3), LestyG_80 (B3), Marley1013_83 (B3), Marlia_83 (B3), MmasiCarm_83 (B3), Mortcellus_82 (B3), Morty007_81 (B3), Mulaychimus_83 (B3), Neos5_82 (B3), Nozo_82 (B3), Obutu_84 (B3), Olivio_82 (B3), OrangeOswald_81 (B3), Phaedrus_77 (B3), Phayeta_85 (B3), Philly_81 (B3), Phlyer_82 (B3), Pipefish_84 (B3), RagingRooster_81 (B3), Rita1961_83 (B3), RomaT_82 (B3), Shenandoah_81 (B3), SlippinJimmy_85 (B3), SwainyDoc_83 (B3), SynergyX_82 (B3), TinyTerror_83 (B3), Tydolla_78 (B3), Yahalom_80 (B3), Yinz_82 (B3),

Summary by clusters:

There is one cluster represented in this pham: B3

Info for manual annotations of cluster B3:
•Start number 2 was manually annotated 53 times for cluster B3.

Gene Information:

Gene: Abinghost_82 Start: 61487, Stop: 61323, Start Num: 2
Candidate Starts for Abinghost_82:
(1, 61574), (Start: 2 @61487 has 53 MA's), (3, 61442), (4, 61415),

Gene: Akoma_82 Start: 61527, Stop: 61363, Start Num: 2
Candidate Starts for Akoma_82:
(1, 61614), (Start: 2 @61527 has 53 MA's), (4, 61455),

Gene: Athena_84 Start: 62262, Stop: 62098, Start Num: 2
Candidate Starts for Athena_84:
(1, 62349), (Start: 2 @62262 has 53 MA's), (3, 62217), (4, 62190),

Gene: Audrey_82 Start: 61516, Stop: 61352, Start Num: 2
Candidate Starts for Audrey_82:
(1, 61603), (Start: 2 @61516 has 53 MA's), (3, 61471), (4, 61444),

Gene: Baloo_81 Start: 61368, Stop: 61204, Start Num: 2
Candidate Starts for Baloo_81:
(1, 61455), (Start: 2 @61368 has 53 MA's), (3, 61323), (4, 61296),

Gene: Ben11_82 Start: 61743, Stop: 61579, Start Num: 2
Candidate Starts for Ben11_82:
(1, 61830), (Start: 2 @61743 has 53 MA's), (3, 61698), (4, 61671),

Gene: Bernardo_83 Start: 61706, Stop: 61542, Start Num: 2
Candidate Starts for Bernardo_83:
(1, 61793), (Start: 2 @61706 has 53 MA's), (4, 61634),

Gene: Briakila_82 Start: 61714, Stop: 61550, Start Num: 2
Candidate Starts for Briakila_82:
(1, 61801), (Start: 2 @61714 has 53 MA's), (3, 61669), (4, 61642),

Gene: Casbah_82 Start: 61827, Stop: 61663, Start Num: 2
Candidate Starts for Casbah_82:
(1, 61914), (Start: 2 @61827 has 53 MA's), (3, 61782), (4, 61755),

Gene: ChaChing_82 Start: 61532, Stop: 61368, Start Num: 2
Candidate Starts for ChaChing_82:
(1, 61619), (Start: 2 @61532 has 53 MA's), (4, 61460),

Gene: Chalmers_81 Start: 61962, Stop: 61798, Start Num: 2
Candidate Starts for Chalmers_81:
(1, 62049), (Start: 2 @61962 has 53 MA's), (3, 61917), (4, 61890),

Gene: Chandler_82 Start: 62303, Stop: 62139, Start Num: 2
Candidate Starts for Chandler_82:
(1, 62390), (Start: 2 @62303 has 53 MA's), (3, 62258), (4, 62231),

Gene: Chentzyk_84 Start: 62470, Stop: 62306, Start Num: 2
Candidate Starts for Chentzyk_84:
(1, 62557), (Start: 2 @62470 has 53 MA's), (3, 62425), (4, 62398),

Gene: Compostia_81 Start: 61972, Stop: 61808, Start Num: 2
Candidate Starts for Compostia_81:
(1, 62059), (Start: 2 @61972 has 53 MA's), (3, 61927), (4, 61900),

Gene: Corofin_82 Start: 61538, Stop: 61374, Start Num: 2
Candidate Starts for Corofin_82:
(1, 61625), (Start: 2 @61538 has 53 MA's), (3, 61493), (4, 61466),

Gene: Daisy_81 Start: 61089, Stop: 60925, Start Num: 2
Candidate Starts for Daisy_81:
(1, 61176), (Start: 2 @61089 has 53 MA's), (3, 61044), (4, 61017),

Gene: Deenasa_82 Start: 62438, Stop: 62274, Start Num: 2
Candidate Starts for Deenasa_82:
(1, 62525), (Start: 2 @62438 has 53 MA's), (3, 62393), (4, 62366),

Gene: Devonte_80 Start: 61155, Stop: 60991, Start Num: 2
Candidate Starts for Devonte_80:
(1, 61242), (Start: 2 @61155 has 53 MA's), (3, 61110), (4, 61083),

Gene: Gadjet_83 Start: 61889, Stop: 61725, Start Num: 2

Candidate Starts for Gadjet_83:
(1, 61976), (Start: 2 @61889 has 53 MA's), (3, 61844), (4, 61817),

Gene: Gervas_83 Start: 61983, Stop: 61819, Start Num: 2
Candidate Starts for Gervas_83:
(1, 62070), (Start: 2 @61983 has 53 MA's), (3, 61938), (4, 61911),

Gene: GlenHope_83 Start: 61562, Stop: 61398, Start Num: 2
Candidate Starts for GlenHope_83:
(1, 61649), (Start: 2 @61562 has 53 MA's), (3, 61517), (4, 61490),

Gene: Glubnar_83 Start: 61421, Stop: 61257, Start Num: 2
Candidate Starts for Glubnar_83:
(1, 61508), (Start: 2 @61421 has 53 MA's), (3, 61376), (4, 61349),

Gene: Halfpint_81 Start: 61304, Stop: 61140, Start Num: 2
Candidate Starts for Halfpint_81:
(1, 61391), (Start: 2 @61304 has 53 MA's), (3, 61259), (4, 61232),

Gene: HarveySr_81 Start: 61073, Stop: 60909, Start Num: 2
Candidate Starts for HarveySr_81:
(1, 61160), (Start: 2 @61073 has 53 MA's), (3, 61028), (4, 61001),

Gene: Heathcliff_82 Start: 61483, Stop: 61319, Start Num: 2
Candidate Starts for Heathcliff_82:
(1, 61570), (Start: 2 @61483 has 53 MA's), (3, 61438), (4, 61411),

Gene: Jackstina_76 Start: 61397, Stop: 61233, Start Num: 2
Candidate Starts for Jackstina_76:
(1, 61484), (Start: 2 @61397 has 53 MA's), (3, 61352), (4, 61325),

Gene: Kamiyu_82 Start: 61486, Stop: 61322, Start Num: 2
Candidate Starts for Kamiyu_82:
(1, 61573), (Start: 2 @61486 has 53 MA's), (3, 61441), (4, 61414),

Gene: Kronus_82 Start: 62570, Stop: 62406, Start Num: 2
Candidate Starts for Kronus_82:
(1, 62657), (Start: 2 @62570 has 53 MA's), (3, 62525), (4, 62498),

Gene: LestyG_80 Start: 61056, Stop: 60892, Start Num: 2
Candidate Starts for LestyG_80:
(1, 61143), (Start: 2 @61056 has 53 MA's), (3, 61011), (4, 60984),

Gene: Marley1013_83 Start: 62422, Stop: 62258, Start Num: 2
Candidate Starts for Marley1013_83:
(1, 62509), (Start: 2 @62422 has 53 MA's), (3, 62377), (4, 62350),

Gene: Marlia_83 Start: 61955, Stop: 61791, Start Num: 2
Candidate Starts for Marlia_83:
(1, 62042), (Start: 2 @61955 has 53 MA's), (3, 61910), (4, 61883),

Gene: MmasiCarm_83 Start: 61925, Stop: 61761, Start Num: 2
Candidate Starts for MmasiCarm_83:

(1, 62012), (Start: 2 @61925 has 53 MA's), (3, 61880),

Gene: Mortcellus_82 Start: 62651, Stop: 62487, Start Num: 2
Candidate Starts for Mortcellus_82:
(1, 62738), (Start: 2 @62651 has 53 MA's), (3, 62606), (4, 62579),

Gene: Morty007_81 Start: 62422, Stop: 62258, Start Num: 2
Candidate Starts for Morty007_81:
(1, 62509), (Start: 2 @62422 has 53 MA's), (3, 62377), (4, 62350),

Gene: Mulaychimus_83 Start: 61935, Stop: 61771, Start Num: 2
Candidate Starts for Mulaychimus_83:
(1, 62022), (Start: 2 @61935 has 53 MA's), (3, 61890), (4, 61863),

Gene: Neos5_82 Start: 61884, Stop: 61720, Start Num: 2
Candidate Starts for Neos5_82:
(1, 61971), (Start: 2 @61884 has 53 MA's), (3, 61839), (4, 61812),

Gene: Nozo_82 Start: 62293, Stop: 62129, Start Num: 2
Candidate Starts for Nozo_82:
(1, 62380), (Start: 2 @62293 has 53 MA's), (3, 62248), (4, 62221),

Gene: Obutu_84 Start: 62096, Stop: 61932, Start Num: 2
Candidate Starts for Obutu_84:
(1, 62183), (Start: 2 @62096 has 53 MA's), (3, 62051), (4, 62024),

Gene: Olivio_82 Start: 61737, Stop: 61573, Start Num: 2
Candidate Starts for Olivio_82:
(1, 61824), (Start: 2 @61737 has 53 MA's), (3, 61692), (4, 61665),

Gene: OrangeOswald_81 Start: 61528, Stop: 61364, Start Num: 2
Candidate Starts for OrangeOswald_81:
(1, 61615), (Start: 2 @61528 has 53 MA's), (3, 61483), (4, 61456),

Gene: Phaedrus_77 Start: 60944, Stop: 60780, Start Num: 2
Candidate Starts for Phaedrus_77:
(1, 61031), (Start: 2 @60944 has 53 MA's), (3, 60899), (4, 60872),

Gene: Phayeta_85 Start: 62013, Stop: 61849, Start Num: 2
Candidate Starts for Phayeta_85:
(1, 62100), (Start: 2 @62013 has 53 MA's), (3, 61968), (4, 61941),

Gene: Philly_81 Start: 61376, Stop: 61212, Start Num: 2
Candidate Starts for Philly_81:
(1, 61463), (Start: 2 @61376 has 53 MA's), (3, 61331), (4, 61304),

Gene: Phlyer_82 Start: 62239, Stop: 62075, Start Num: 2
Candidate Starts for Phlyer_82:
(1, 62326), (Start: 2 @62239 has 53 MA's), (3, 62194), (4, 62167),

Gene: Pipefish_84 Start: 62635, Stop: 62471, Start Num: 2
Candidate Starts for Pipefish_84:
(1, 62722), (Start: 2 @62635 has 53 MA's), (3, 62590), (4, 62563),

Gene: RagingRooster_81 Start: 61219, Stop: 61055, Start Num: 2
Candidate Starts for RagingRooster_81:
(1, 61306), (Start: 2 @61219 has 53 MA's), (3, 61174), (4, 61147),

Gene: Rita1961_83 Start: 61873, Stop: 61709, Start Num: 2
Candidate Starts for Rita1961_83:
(1, 61960), (Start: 2 @61873 has 53 MA's), (3, 61828), (4, 61801),

Gene: RomaT_82 Start: 62093, Stop: 61929, Start Num: 2
Candidate Starts for RomaT_82:
(1, 62180), (Start: 2 @62093 has 53 MA's), (3, 62048), (4, 62021),

Gene: Shenandoah_81 Start: 61139, Stop: 60975, Start Num: 2
Candidate Starts for Shenandoah_81:
(1, 61226), (Start: 2 @61139 has 53 MA's), (3, 61094), (4, 61067),

Gene: SlippinJimmy_85 Start: 62903, Stop: 62739, Start Num: 2
Candidate Starts for SlippinJimmy_85:
(1, 62990), (Start: 2 @62903 has 53 MA's), (3, 62858), (4, 62831),

Gene: SwainyDoc_83 Start: 61902, Stop: 61738, Start Num: 2
Candidate Starts for SwainyDoc_83:
(1, 61989), (Start: 2 @61902 has 53 MA's), (3, 61857), (4, 61830),

Gene: SynergyX_82 Start: 61530, Stop: 61366, Start Num: 2
Candidate Starts for SynergyX_82:
(1, 61617), (Start: 2 @61530 has 53 MA's), (3, 61485), (4, 61458),

Gene: TinyTerror_83 Start: 61953, Stop: 61789, Start Num: 2
Candidate Starts for TinyTerror_83:
(1, 62040), (Start: 2 @61953 has 53 MA's), (3, 61908), (4, 61881),

Gene: Tydolla_78 Start: 61509, Stop: 61345, Start Num: 2
Candidate Starts for Tydolla_78:
(1, 61596), (Start: 2 @61509 has 53 MA's), (3, 61464), (4, 61437),

Gene: Yahalom_80 Start: 61336, Stop: 61172, Start Num: 2
Candidate Starts for Yahalom_80:
(1, 61423), (Start: 2 @61336 has 53 MA's), (3, 61291), (4, 61264),

Gene: Yinz_82 Start: 61401, Stop: 61237, Start Num: 2
Candidate Starts for Yinz_82:
(1, 61488), (Start: 2 @61401 has 53 MA's), (3, 61356), (4, 61329),