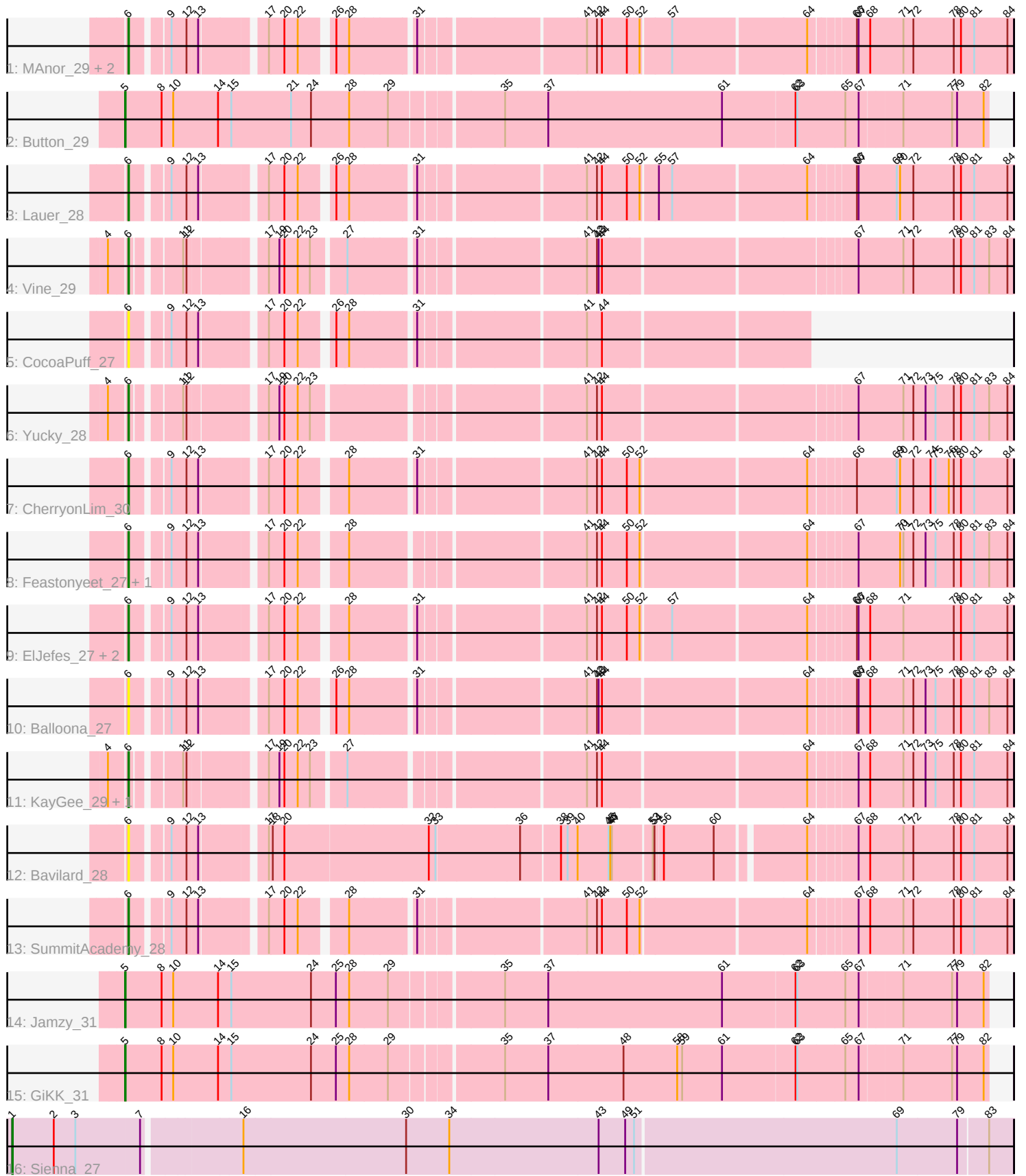


Pham 280850



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 280850 Report

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

Pham number 280850 has 22 members, 5 are drafts.

Phages represented in each track:

- Track 1 : MAnor_29, Pons_29, Mayweather_30
- Track 2 : Button_29
- Track 3 : Lauer_28
- Track 4 : Vine_29
- Track 5 : CocoaPuff_27
- Track 6 : Yucky_28
- Track 7 : CherryonLim_30
- Track 8 : Feastonyeet_27, BigChungus_27
- Track 9 : ElJefes_27, SheckWes_28, McDazzle_27
- Track 10 : Balloona_27
- Track 11 : KayGee_29, Elinal_30
- Track 12 : Bavidard_28
- Track 13 : SummitAcademy_28
- Track 14 : Jamzy_31
- Track 15 : GiKK_31
- Track 16 : Sienna_27

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

The start number called the most often in the published annotations is 6, it was called in 13 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Balloona_27, Bavidard_28, BigChungus_27, CherryonLim_30, CocoaPuff_27, ElJefes_27, Elinal_30, Feastonyeet_27, KayGee_29, Lauer_28, MAnor_29, Mayweather_30, McDazzle_27, Pons_29, SheckWes_28, SummitAcademy_28, Vine_29, Yucky_28,

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

-

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

- Button_29, GiKK_31, Jamzy_31, Sienna_27,

Summary by start number:

Start 1:

- Found in 1 of 22 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sienna_27 (DG1),

Start 5:

- Found in 3 of 22 (13.6%) of genes in pham
- Manual Annotations of this start: 3 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Button_29 (CT), GiKK_31 (CT), Jamzy_31 (CT),

Start 6:

- Found in 18 of 22 (81.8%) of genes in pham
- Manual Annotations of this start: 13 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Balloona_27 (CT), Baviard_28 (CT), BigChungus_27 (CT), CherryonLim_30 (CT), CocoaPuff_27 (CT), ElJefes_27 (CT), Elinal_30 (CT), Feastonyet_27 (CT), KayGee_29 (CT), Lauer_28 (CT), MAnor_29 (CT), Mayweather_30 (CT), McDazzle_27 (CT), Pons_29 (CT), SheckWes_28 (CT), SummitAcademy_28 (CT), Vine_29 (CT), Yucky_28 (CT),

Summary by clusters:

There are 2 clusters represented in this pham: DG1, CT,

Info for manual annotations of cluster CT:

- Start number 5 was manually annotated 3 times for cluster CT.
- Start number 6 was manually annotated 13 times for cluster CT.

Info for manual annotations of cluster DG1:

- Start number 1 was manually annotated 1 time for cluster DG1.

Gene Information:

Gene: Balloona_27 Start: 21832, Stop: 23265, Start Num: 6

Candidate Starts for Balloona_27:

(Start: 6 @21832 has 13 MA's), (9, 21889), (12, 21916), (13, 21934), (17, 22036), (20, 22063), (22, 22087), (26, 22135), (28, 22156), (31, 22261), (41, 22534), (42, 22552), (43, 22555), (44, 22561), (64, 22912), (66, 22984), (67, 22987), (68, 23008), (71, 23068), (72, 23086), (73, 23107), (75, 23125), (78, 23158), (80, 23170), (81, 23194), (83, 23221), (84, 23254),

Gene: Baviard_28 Start: 22617, Stop: 24077, Start Num: 6

Candidate Starts for Baviard_28:

(Start: 6 @22617 has 13 MA's), (9, 22674), (12, 22701), (13, 22719), (17, 22821), (18, 22827), (20, 22848), (32, 23097), (33, 23109), (36, 23256), (38, 23322), (39, 23334), (40, 23352), (45, 23406), (46, 23409), (47, 23412), (53, 23478), (54, 23481), (56, 23493), (60, 23583), (64, 23724), (67, 23799), (68, 23820), (71, 23880), (72, 23898), (78, 23970), (80, 23982), (81, 24006), (84, 24066),

Gene: BigChungus_27 Start: 21875, Stop: 23308, Start Num: 6

Candidate Starts for BigChungus_27:

(Start: 6 @21875 has 13 MA's), (9, 21932), (12, 21959), (13, 21977), (17, 22079), (20, 22106), (22, 22130), (28, 22199), (41, 22577), (42, 22595), (44, 22604), (50, 22649), (52, 22670), (64, 22955), (67, 23030), (70, 23105), (71, 23111), (72, 23129), (73, 23150), (75, 23168), (78, 23201), (80, 23213), (81, 23237), (83, 23264), (84, 23297),

Gene: Button_29 Start: 21375, Stop: 22883, Start Num: 5

Candidate Starts for Button_29:

(Start: 5 @21375 has 3 MA's), (8, 21441), (10, 21462), (14, 21543), (15, 21567), (21, 21675), (24, 21711), (28, 21780), (29, 21849), (35, 22032), (37, 22110), (61, 22422), (62, 22551), (63, 22554), (65, 22635), (67, 22659), (71, 22731), (77, 22818), (79, 22827), (82, 22875),

Gene: CherryonLim_30 Start: 23612, Stop: 25042, Start Num: 6

Candidate Starts for CherryonLim_30:

(Start: 6 @23612 has 13 MA's), (9, 23669), (12, 23696), (13, 23714), (17, 23816), (20, 23843), (22, 23867), (28, 23936), (31, 24041), (41, 24314), (42, 24332), (44, 24341), (50, 24386), (52, 24407), (64, 24692), (66, 24764), (69, 24836), (70, 24842), (72, 24866), (74, 24896), (75, 24905), (76, 24929), (78, 24938), (80, 24950), (81, 24971), (84, 25031),

Gene: CocoaPuff_27 Start: 21829, Stop: 22914, Start Num: 6

Candidate Starts for CocoaPuff_27:

(Start: 6 @21829 has 13 MA's), (9, 21886), (12, 21913), (13, 21931), (17, 22033), (20, 22060), (22, 22084), (26, 22132), (28, 22153), (31, 22258), (41, 22531), (44, 22558),

Gene: ElJefes_27 Start: 22308, Stop: 23741, Start Num: 6

Candidate Starts for ElJefes_27:

(Start: 6 @22308 has 13 MA's), (9, 22365), (12, 22392), (13, 22410), (17, 22512), (20, 22539), (22, 22563), (28, 22632), (31, 22737), (41, 23010), (42, 23028), (44, 23037), (50, 23082), (52, 23103), (57, 23154), (64, 23388), (66, 23460), (67, 23463), (68, 23484), (71, 23544), (78, 23634), (80, 23646), (81, 23670), (84, 23730),

Gene: Elinal_30 Start: 22849, Stop: 24279, Start Num: 6

Candidate Starts for Elinal_30:

(4, 22822), (Start: 6 @22849 has 13 MA's), (11, 22921), (12, 22924), (17, 23044), (19, 23062), (20, 23071), (22, 23095), (23, 23116), (27, 23170), (41, 23551), (42, 23569), (44, 23578), (64, 23929), (67, 24004), (68, 24025), (71, 24085), (72, 24103), (73, 24124), (75, 24142), (78, 24175), (80, 24187), (81, 24208), (84, 24268),

Gene: Feastonyeet_27 Start: 21875, Stop: 23308, Start Num: 6

Candidate Starts for Feastonyeet_27:

(Start: 6 @21875 has 13 MA's), (9, 21932), (12, 21959), (13, 21977), (17, 22079), (20, 22106), (22, 22130), (28, 22199), (41, 22577), (42, 22595), (44, 22604), (50, 22649), (52, 22670), (64, 22955), (67, 23030), (70, 23105), (71, 23111), (72, 23129), (73, 23150), (75, 23168), (78, 23201), (80, 23213), (81, 23237), (83, 23264), (84, 23297),

Gene: GiKK_31 Start: 21674, Stop: 23182, Start Num: 5

Candidate Starts for GiKK_31:

(Start: 5 @21674 has 3 MA's), (8, 21740), (10, 21761), (14, 21842), (15, 21866), (24, 22010), (25, 22055), (28, 22079), (29, 22148), (35, 22331), (37, 22409), (48, 22544), (58, 22640), (59, 22649), (61, 22721), (62, 22850), (63, 22853), (65, 22934), (67, 22958), (71, 23030), (77, 23117), (79, 23126), (82, 23174),

Gene: Jamzy_31 Start: 21688, Stop: 23196, Start Num: 5

Candidate Starts for Jamzy_31:

(Start: 5 @21688 has 3 MA's), (8, 21754), (10, 21775), (14, 21856), (15, 21880), (24, 22024), (25, 22069), (28, 22093), (29, 22162), (35, 22345), (37, 22423), (61, 22735), (62, 22864), (63, 22867), (65, 22948), (67, 22972), (71, 23044), (77, 23131), (79, 23140), (82, 23188),

Gene: KayGee_29 Start: 22849, Stop: 24279, Start Num: 6

Candidate Starts for KayGee_29:

(4, 22822), (Start: 6 @22849 has 13 MA's), (11, 22921), (12, 22924), (17, 23044), (19, 23062), (20, 23071), (22, 23095), (23, 23116), (27, 23170), (41, 23551), (42, 23569), (44, 23578), (64, 23929), (67, 24004), (68, 24025), (71, 24085), (72, 24103), (73, 24124), (75, 24142), (78, 24175), (80, 24187), (81, 24208), (84, 24268),

Gene: Lauer_28 Start: 22905, Stop: 24338, Start Num: 6

Candidate Starts for Lauer_28:

(Start: 6 @22905 has 13 MA's), (9, 22962), (12, 22989), (13, 23007), (17, 23109), (20, 23136), (22, 23160), (26, 23208), (28, 23229), (31, 23334), (41, 23607), (42, 23625), (44, 23634), (50, 23679), (52, 23700), (55, 23727), (57, 23751), (64, 23985), (66, 24057), (67, 24060), (69, 24129), (70, 24135), (72, 24159), (78, 24231), (80, 24243), (81, 24267), (84, 24327),

Gene: MAnor_29 Start: 22872, Stop: 24305, Start Num: 6

Candidate Starts for MAnor_29:

(Start: 6 @22872 has 13 MA's), (9, 22929), (12, 22956), (13, 22974), (17, 23076), (20, 23103), (22, 23127), (26, 23175), (28, 23196), (31, 23301), (41, 23574), (42, 23592), (44, 23601), (50, 23646), (52, 23667), (57, 23718), (64, 23952), (66, 24024), (67, 24027), (68, 24048), (71, 24108), (72, 24126), (78, 24198), (80, 24210), (81, 24234), (84, 24294),

Gene: Mayweather_30 Start: 23488, Stop: 24921, Start Num: 6

Candidate Starts for Mayweather_30:

(Start: 6 @23488 has 13 MA's), (9, 23545), (12, 23572), (13, 23590), (17, 23692), (20, 23719), (22, 23743), (26, 23791), (28, 23812), (31, 23917), (41, 24190), (42, 24208), (44, 24217), (50, 24262), (52, 24283), (57, 24334), (64, 24568), (66, 24640), (67, 24643), (68, 24664), (71, 24724), (72, 24742), (78, 24814), (80, 24826), (81, 24850), (84, 24910),

Gene: McDazzle_27 Start: 22302, Stop: 23735, Start Num: 6

Candidate Starts for McDazzle_27:

(Start: 6 @22302 has 13 MA's), (9, 22359), (12, 22386), (13, 22404), (17, 22506), (20, 22533), (22, 22557), (28, 22626), (31, 22731), (41, 23004), (42, 23022), (44, 23031), (50, 23076), (52, 23097), (57, 23148), (64, 23382), (66, 23454), (67, 23457), (68, 23478), (71, 23538), (78, 23628), (80, 23640), (81, 23664), (84, 23724),

Gene: Pons_29 Start: 22861, Stop: 24294, Start Num: 6

Candidate Starts for Pons_29:

(Start: 6 @22861 has 13 MA's), (9, 22918), (12, 22945), (13, 22963), (17, 23065), (20, 23092), (22, 23116), (26, 23164), (28, 23185), (31, 23290), (41, 23563), (42, 23581), (44, 23590), (50, 23635), (52, 23656), (57, 23707), (64, 23941), (66, 24013), (67, 24016), (68, 24037), (71, 24097), (72, 24115), (78, 24187), (80, 24199), (81, 24223), (84, 24283),

Gene: SheckWes_28 Start: 21838, Stop: 23271, Start Num: 6

Candidate Starts for SheckWes_28:

(Start: 6 @21838 has 13 MA's), (9, 21895), (12, 21922), (13, 21940), (17, 22042), (20, 22069), (22, 22093), (28, 22162), (31, 22267), (41, 22540), (42, 22558), (44, 22567), (50, 22612), (52, 22633), (57,

22684), (64, 22918), (66, 22990), (67, 22993), (68, 23014), (71, 23074), (78, 23164), (80, 23176), (81, 23200), (84, 23260),

Gene: Sienna_27 Start: 23624, Stop: 25378, Start Num: 1

Candidate Starts for Sienna_27:

(Start: 1 @23624 has 1 MA's), (2, 23699), (3, 23738), (7, 23852), (16, 24014), (30, 24302), (34, 24380), (43, 24647), (49, 24695), (51, 24710), (69, 25175), (79, 25283), (83, 25334),

Gene: SummitAcademy_28 Start: 21914, Stop: 23344, Start Num: 6

Candidate Starts for SummitAcademy_28:

(Start: 6 @21914 has 13 MA's), (9, 21971), (12, 21998), (13, 22016), (17, 22118), (20, 22145), (22, 22169), (28, 22238), (31, 22343), (41, 22616), (42, 22634), (44, 22643), (50, 22688), (52, 22709), (64, 22994), (67, 23069), (68, 23090), (71, 23150), (72, 23168), (78, 23240), (80, 23252), (81, 23273), (84, 23333),

Gene: Vine_29 Start: 22832, Stop: 24265, Start Num: 6

Candidate Starts for Vine_29:

(4, 22805), (Start: 6 @22832 has 13 MA's), (11, 22904), (12, 22907), (17, 23027), (19, 23045), (20, 23054), (22, 23078), (23, 23099), (27, 23153), (31, 23261), (41, 23534), (42, 23552), (43, 23555), (44, 23561), (67, 23987), (71, 24068), (72, 24086), (78, 24158), (80, 24170), (81, 24194), (83, 24221), (84, 24254),

Gene: Yucky_28 Start: 22691, Stop: 24124, Start Num: 6

Candidate Starts for Yucky_28:

(4, 22664), (Start: 6 @22691 has 13 MA's), (11, 22763), (12, 22766), (17, 22886), (19, 22904), (20, 22913), (22, 22937), (23, 22958), (41, 23393), (42, 23411), (44, 23420), (67, 23846), (71, 23927), (72, 23945), (73, 23966), (75, 23984), (78, 24017), (80, 24029), (81, 24053), (83, 24080), (84, 24113),