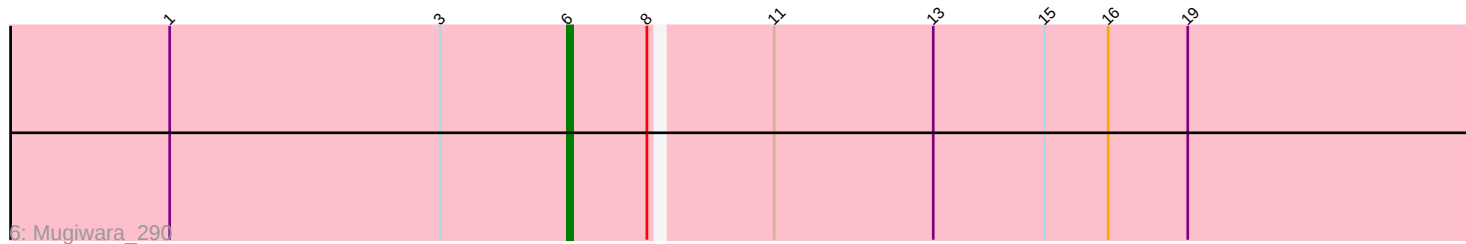
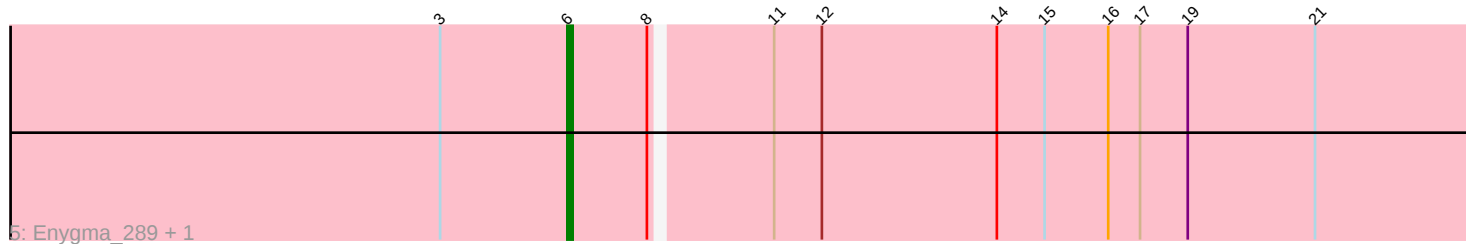
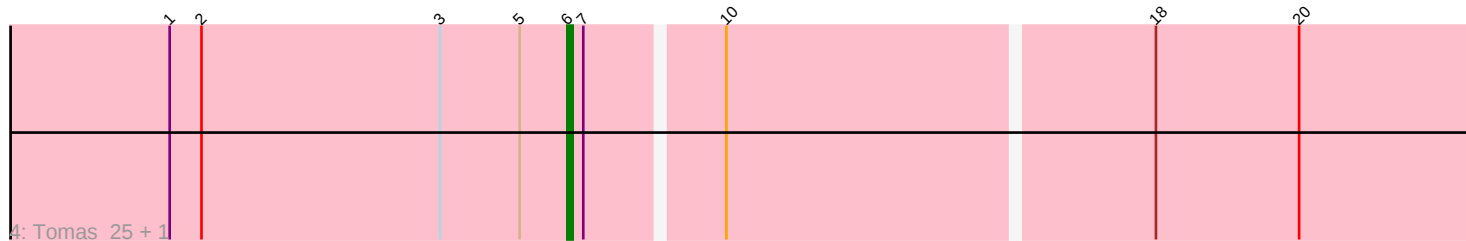
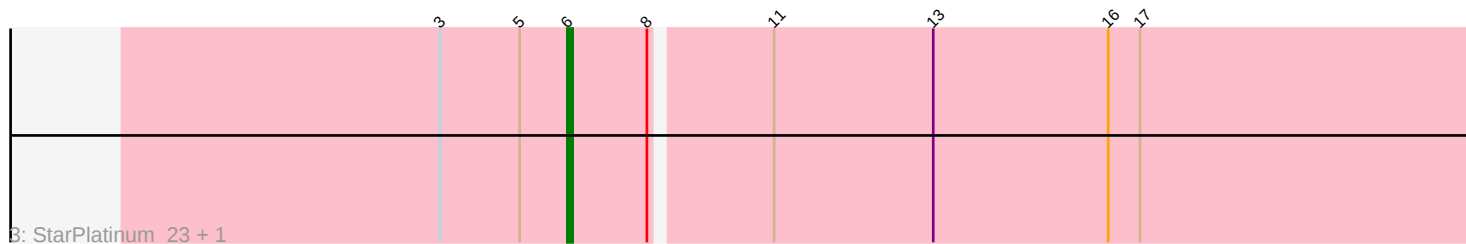
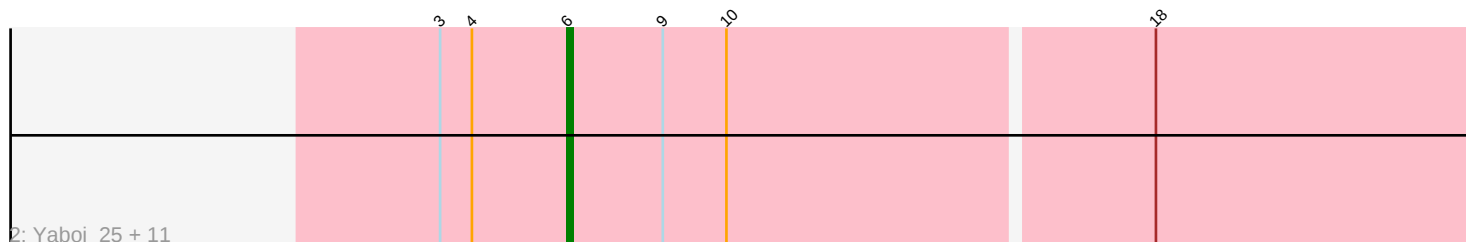
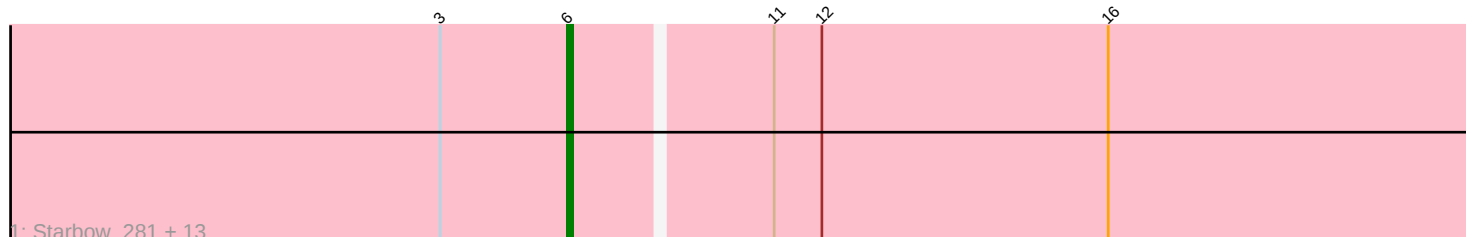


Pham 240756



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 240756 Report

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

Pham number 240756 has 33 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Starbow_281, Birchlyn_281, Karimac_24, Quarant19_285, IchabodCrane_23, Battuta_281, IchabodCrane_276, Bordeaux_281, Karimac_282, Bordeaux_24, Battuta_24, Starbow_24, Quarant19_24, Birchlyn_21
- Track 2 : Yaboi_25, Genie2_25, Sollertia_281, Stanimal_25, AngryGiraffe_25, BoomerJR_280, Yaboi_285, Stanimal_280, Sollertia_25, AngryGiraffe_281, BoomerJR_25, Genie2_280
- Track 3 : StarPlatinum_23, StarPlatinum_293
- Track 4 : Tomas_25, Tomas_281
- Track 5 : Enygma_289, Enygma_21
- Track 6 : Mugiwara_290

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 33 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AngryGiraffe_25, AngryGiraffe_281, Battuta_24, Battuta_281, Birchlyn_21, Birchlyn_281, BoomerJR_25, BoomerJR_280, Bordeaux_24, Bordeaux_281, Enygma_21, Enygma_289, Genie2_25, Genie2_280, IchabodCrane_23, IchabodCrane_276, Karimac_24, Karimac_282, Mugiwara_290, Quarant19_24, Quarant19_285, Sollertia_25, Sollertia_281, Stanimal_25, Stanimal_280, StarPlatinum_23, StarPlatinum_293, Starbow_24, Starbow_281, Tomas_25, Tomas_281, Yaboi_25, Yaboi_285,

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 6:

- Found in 33 of 33 (100.0%) of genes in pham
- Manual Annotations of this start: 33 of 33
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AngryGiraffe_25 (BE2), AngryGiraffe_281 (BE2), Battuta_24 (BE2), Battuta_281 (BE2), Birchlyn_21 (BE2), Birchlyn_281 (BE2), BoomerJR_25 (BE2), BoomerJR_280 (BE2), Bordeaux_24 (BE2), Bordeaux_281 (BE2), Enygma_21 (BE2), Enygma_289 (BE2), Genie2_25 (BE2), Genie2_280 (BE2), IchabodCrane_23 (BE2), IchabodCrane_276 (BE2), Karimac_24 (BE2), Karimac_282 (BE2), Mugiwara_290 (BE2), Quarant19_24 (BE2), Quarant19_285 (BE2), Sollertia_25 (BE2), Sollertia_281 (BE2), Stanimal_25 (BE2), Stanimal_280 (BE2), StarPlatinum_23 (BE2), StarPlatinum_293 (BE2), Starbow_24 (BE2), Starbow_281 (BE2), Tomas_25 (BE2), Tomas_281 (BE2), Yaboi_25 (BE2), Yaboi_285 (BE2),

Summary by clusters:

There is one cluster represented in this pham: BE2

Info for manual annotations of cluster BE2:

- Start number 6 was manually annotated 33 times for cluster BE2.

Gene Information:

Gene: AngryGiraffe_25 Start: 11017, Stop: 10841, Start Num: 6

Candidate Starts for AngryGiraffe_25:

(3, 11041), (4, 11035), (Start: 6 @11017 has 33 MA's), (9, 10999), (10, 10987), (18, 10909),

Gene: AngryGiraffe_281 Start: 129360, Stop: 129184, Start Num: 6

Candidate Starts for AngryGiraffe_281:

(3, 129384), (4, 129378), (Start: 6 @129360 has 33 MA's), (9, 129342), (10, 129330), (18, 129252),

Gene: Battuta_281 Start: 129262, Stop: 129086, Start Num: 6

Candidate Starts for Battuta_281:

(3, 129286), (Start: 6 @129262 has 33 MA's), (11, 129226), (12, 129217), (16, 129163),

Gene: Battuta_24 Start: 11107, Stop: 10931, Start Num: 6

Candidate Starts for Battuta_24:

(3, 11131), (Start: 6 @11107 has 33 MA's), (11, 11071), (12, 11062), (16, 11008),

Gene: Birchlyn_281 Start: 125051, Stop: 124875, Start Num: 6

Candidate Starts for Birchlyn_281:

(3, 125075), (Start: 6 @125051 has 33 MA's), (11, 125015), (12, 125006), (16, 124952),

Gene: Birchlyn_21 Start: 8960, Stop: 8784, Start Num: 6

Candidate Starts for Birchlyn_21:

(3, 8984), (Start: 6 @8960 has 33 MA's), (11, 8924), (12, 8915), (16, 8861),

Gene: BoomerJR_280 Start: 129805, Stop: 129629, Start Num: 6

Candidate Starts for BoomerJR_280:

(3, 129829), (4, 129823), (Start: 6 @129805 has 33 MA's), (9, 129787), (10, 129775), (18, 129697),

Gene: BoomerJR_25 Start: 11017, Stop: 10841, Start Num: 6

Candidate Starts for BoomerJR_25:

(3, 11041), (4, 11035), (Start: 6 @11017 has 33 MA's), (9, 10999), (10, 10987), (18, 10909),

Gene: Bordeaux_281 Start: 129845, Stop: 129669, Start Num: 6

Candidate Starts for Bordeaux_281:

(3, 129869), (Start: 6 @129845 has 33 MA's), (11, 129809), (12, 129800), (16, 129746),

Gene: Bordeaux_24 Start: 11107, Stop: 10931, Start Num: 6

Candidate Starts for Bordeaux_24:

(3, 11131), (Start: 6 @11107 has 33 MA's), (11, 11071), (12, 11062), (16, 11008),

Gene: Enygma_289 Start: 132546, Stop: 132367, Start Num: 6

Candidate Starts for Enygma_289:

(3, 132570), (Start: 6 @132546 has 33 MA's), (8, 132531), (11, 132510), (12, 132501), (14, 132468), (15, 132459), (16, 132447), (17, 132441), (19, 132432), (21, 132408),

Gene: Enygma_21 Start: 10122, Stop: 9943, Start Num: 6

Candidate Starts for Enygma_21:

(3, 10146), (Start: 6 @10122 has 33 MA's), (8, 10107), (11, 10086), (12, 10077), (14, 10044), (15, 10035), (16, 10023), (17, 10017), (19, 10008), (21, 9984),

Gene: Genie2_25 Start: 11017, Stop: 10841, Start Num: 6

Candidate Starts for Genie2_25:

(3, 11041), (4, 11035), (Start: 6 @11017 has 33 MA's), (9, 10999), (10, 10987), (18, 10909),

Gene: Genie2_280 Start: 129918, Stop: 129742, Start Num: 6

Candidate Starts for Genie2_280:

(3, 129942), (4, 129936), (Start: 6 @129918 has 33 MA's), (9, 129900), (10, 129888), (18, 129810),

Gene: IchabodCrane_23 Start: 10715, Stop: 10539, Start Num: 6

Candidate Starts for IchabodCrane_23:

(3, 10739), (Start: 6 @10715 has 33 MA's), (11, 10679), (12, 10670), (16, 10616),

Gene: IchabodCrane_276 Start: 129258, Stop: 129082, Start Num: 6

Candidate Starts for IchabodCrane_276:

(3, 129282), (Start: 6 @129258 has 33 MA's), (11, 129222), (12, 129213), (16, 129159),

Gene: Karimac_24 Start: 11118, Stop: 10942, Start Num: 6

Candidate Starts for Karimac_24:

(3, 11142), (Start: 6 @11118 has 33 MA's), (11, 11082), (12, 11073), (16, 11019),

Gene: Karimac_282 Start: 130437, Stop: 130261, Start Num: 6

Candidate Starts for Karimac_282:

(3, 130461), (Start: 6 @130437 has 33 MA's), (11, 130401), (12, 130392), (16, 130338),

Gene: Mugiwara_290 Start: 131896, Stop: 131708, Start Num: 6

Candidate Starts for Mugiwara_290:

(1, 131971), (3, 131920), (Start: 6 @131896 has 33 MA's), (8, 131881), (11, 131860), (13, 131830), (15, 131809), (16, 131797), (19, 131782),

Gene: Quaran19_285 Start: 130289, Stop: 130113, Start Num: 6

Candidate Starts for Quaran19_285:

(3, 130313), (Start: 6 @130289 has 33 MA's), (11, 130253), (12, 130244), (16, 130190),

Gene: Quarant19_24 Start: 11107, Stop: 10931, Start Num: 6

Candidate Starts for Quarant19_24:

(3, 11131), (Start: 6 @11107 has 33 MA's), (11, 11071), (12, 11062), (16, 11008),

Gene: Sollertia_281 Start: 129907, Stop: 129731, Start Num: 6

Candidate Starts for Sollertia_281:

(3, 129931), (4, 129925), (Start: 6 @129907 has 33 MA's), (9, 129889), (10, 129877), (18, 129799),

Gene: Sollertia_25 Start: 11017, Stop: 10841, Start Num: 6

Candidate Starts for Sollertia_25:

(3, 11041), (4, 11035), (Start: 6 @11017 has 33 MA's), (9, 10999), (10, 10987), (18, 10909),

Gene: Stanimal_25 Start: 11017, Stop: 10841, Start Num: 6

Candidate Starts for Stanimal_25:

(3, 11041), (4, 11035), (Start: 6 @11017 has 33 MA's), (9, 10999), (10, 10987), (18, 10909),

Gene: Stanimal_280 Start: 130291, Stop: 130115, Start Num: 6

Candidate Starts for Stanimal_280:

(3, 130315), (4, 130309), (Start: 6 @130291 has 33 MA's), (9, 130273), (10, 130261), (18, 130183),

Gene: StarPlatinum_23 Start: 10770, Stop: 10594, Start Num: 6

Candidate Starts for StarPlatinum_23:

(3, 10794), (5, 10779), (Start: 6 @10770 has 33 MA's), (8, 10755), (11, 10734), (13, 10704), (16, 10671), (17, 10665),

Gene: StarPlatinum_293 Start: 132457, Stop: 132281, Start Num: 6

Candidate Starts for StarPlatinum_293:

(3, 132481), (5, 132466), (Start: 6 @132457 has 33 MA's), (8, 132442), (11, 132421), (13, 132391), (16, 132358), (17, 132352),

Gene: Starbow_281 Start: 129955, Stop: 129779, Start Num: 6

Candidate Starts for Starbow_281:

(3, 129979), (Start: 6 @129955 has 33 MA's), (11, 129919), (12, 129910), (16, 129856),

Gene: Starbow_24 Start: 11107, Stop: 10931, Start Num: 6

Candidate Starts for Starbow_24:

(3, 11131), (Start: 6 @11107 has 33 MA's), (11, 11071), (12, 11062), (16, 11008),

Gene: Tomas_25 Start: 11320, Stop: 11141, Start Num: 6

Candidate Starts for Tomas_25:

(1, 11395), (2, 11389), (3, 11344), (5, 11329), (Start: 6 @11320 has 33 MA's), (7, 11317), (10, 11293), (18, 11215), (20, 11188),

Gene: Tomas_281 Start: 133027, Stop: 132848, Start Num: 6

Candidate Starts for Tomas_281:

(1, 133102), (2, 133096), (3, 133051), (5, 133036), (Start: 6 @133027 has 33 MA's), (7, 133024), (10, 133000), (18, 132922), (20, 132895),

Gene: Yaboi_25 Start: 11017, Stop: 10841, Start Num: 6

Candidate Starts for Yaboi_25:

(3, 11041), (4, 11035), (Start: 6 @11017 has 33 MA's), (9, 10999), (10, 10987), (18, 10909),

Gene: Yaboi_285 Start: 129835, Stop: 129659, Start Num: 6

Candidate Starts for Yaboi_285:

(3, 129859), (4, 129853), (Start: 6 @129835 has 33 MA's), (9, 129817), (10, 129805), (18, 129727),