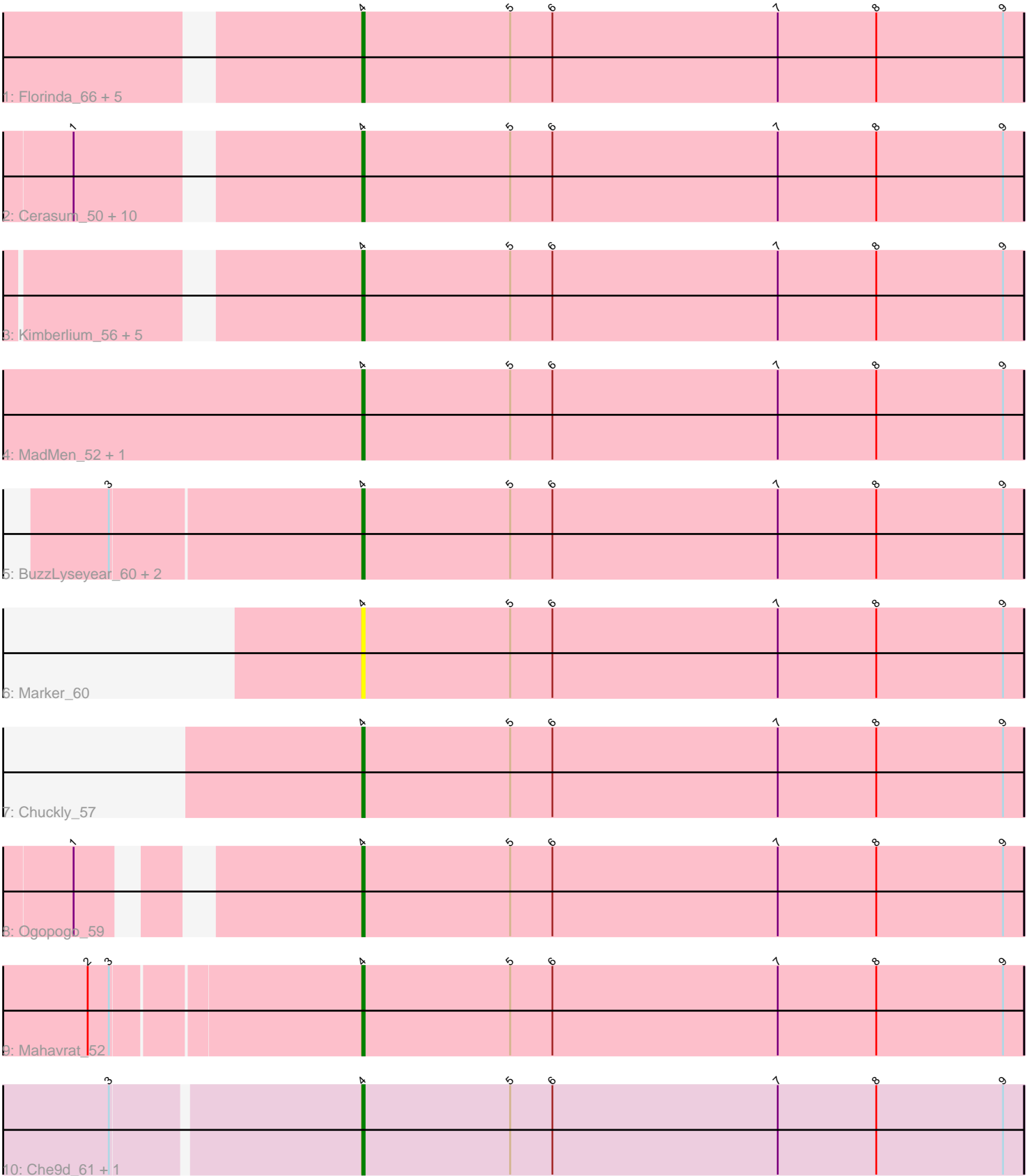


Pham 86147



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 86147 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86147 has 34 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Florinda_66, Quico_63, Poenanya_54, DillTech15_51, Doomphist_54, Fastidio_53
- Track 2 : Cerasum_50, BigPhil_50, Gandolph_57, Kingsley_51, Mova_55, RedBird_51, Sarma624_52, Whatsapiecost_55, Coco12_53, Dorothy_51, Velveteen_49
- Track 3 : Kimberlium_56, Girafales_64, SiSi_52, QuickMath_55, Mantra_50, Plumbus_56
- Track 4 : MadMen_52, BobaPhett_58
- Track 5 : BuzzLyseyear_60, GUmbie_52, Seagreen_54
- Track 6 : Marker_60
- Track 7 : Chuckly_57
- Track 8 : Ogopogo_59
- Track 9 : Mahavrat_52
- Track 10 : Che9d_61, Byougenkin_52

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

The start number called the most often in the published annotations is 4, it was called in 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BigPhil_50, BobaPhett_58, BuzzLyseyear_60, Byougenkin_52, Cerasum_50, Che9d_61, Chuckly_57, Coco12_53, DillTech15_51, Doomphist_54, Dorothy_51, Fastidio_53, Florinda_66, GUmbie_52, Gandolph_57, Girafales_64, Kimberlium_56, Kingsley_51, MadMen_52, Mahavrat_52, Mantra_50, Marker_60, Mova_55, Ogopogo_59, Plumbus_56, Poenanya_54, QuickMath_55, Quico_63, RedBird_51, Sarma624_52, Seagreen_54, SiSi_52, Velveteen_49, Whatsapiecost_55,

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 4:

- Found in 34 of 34 (100.0%) of genes in pham
- Manual Annotations of this start: 32 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BigPhil_50 (F1), BobaPhett_58 (F1), BuzzLyseyear_60 (F1), Byougenkin_52 (F1), Cerasum_50 (F1), Che9d_61 (F2), Chuckly_57 (F1), Coco12_53 (F1), DillTech15_51 (F1), Doomphist_54 (F1), Dorothy_51 (F1), Fastidio_53 (F1), Florinda_66 (F1), GUmble_52 (F1), Gandolph_57 (F1), Girafales_64 (F1), Kimberlium_56 (F1), Kingsley_51 (F1), MadMen_52 (F1), Mahavrat_52 (F1), Mantra_50 (F1), Marker_60 (F1), Mova_55 (F1), Ogopogo_59 (F1), Plumbus_56 (F1), Poenanya_54 (F1), QuickMath_55 (F1), Quico_63 (F1), RedBird_51 (F1), Sarma624_52 (F1), Seagreen_54 (F1), SiSi_52 (F1), Velveteen_49 (F1), Whatsapiecost_55 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, F2,

Info for manual annotations of cluster F1:

- Start number 4 was manually annotated 31 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 4 was manually annotated 1 time for cluster F2.

Gene Information:

Gene: BigPhil_50 Start: 34179, Stop: 34460, Start Num: 4

Candidate Starts for BigPhil_50:

(1, 34071), (Start: 4 @34179 has 32 MA's), (5, 34242), (6, 34260), (7, 34356), (8, 34398), (9, 34452),

Gene: BobaPhett_58 Start: 40700, Stop: 40981, Start Num: 4

Candidate Starts for BobaPhett_58:

(Start: 4 @40700 has 32 MA's), (5, 40763), (6, 40781), (7, 40877), (8, 40919), (9, 40973),

Gene: BuzzLyseyear_60 Start: 39401, Stop: 39682, Start Num: 4

Candidate Starts for BuzzLyseyear_60:

(3, 39296), (Start: 4 @39401 has 32 MA's), (5, 39464), (6, 39482), (7, 39578), (8, 39620), (9, 39674),

Gene: Byougenkin_52 Start: 37741, Stop: 38022, Start Num: 4

Candidate Starts for Byougenkin_52:

(3, 37639), (Start: 4 @37741 has 32 MA's), (5, 37804), (6, 37822), (7, 37918), (8, 37960), (9, 38014),

Gene: Cerasum_50 Start: 34197, Stop: 34478, Start Num: 4

Candidate Starts for Cerasum_50:

(1, 34089), (Start: 4 @34197 has 32 MA's), (5, 34260), (6, 34278), (7, 34374), (8, 34416), (9, 34470),

Gene: Che9d_61 Start: 37582, Stop: 37863, Start Num: 4

Candidate Starts for Che9d_61:

(3, 37480), (Start: 4 @37582 has 32 MA's), (5, 37645), (6, 37663), (7, 37759), (8, 37801), (9, 37855),

Gene: Chuckly_57 Start: 38703, Stop: 38984, Start Num: 4

Candidate Starts for Chuckly_57:

(Start: 4 @38703 has 32 MA's), (5, 38766), (6, 38784), (7, 38880), (8, 38922), (9, 38976),

Gene: Coco12_53 Start: 38254, Stop: 38535, Start Num: 4

Candidate Starts for Coco12_53:

(1, 38146), (Start: 4 @38254 has 32 MA's), (5, 38317), (6, 38335), (7, 38431), (8, 38473), (9, 38527),

Gene: DillTech15_51 Start: 36648, Stop: 36929, Start Num: 4

Candidate Starts for DillTech15_51:

(Start: 4 @36648 has 32 MA's), (5, 36711), (6, 36729), (7, 36825), (8, 36867), (9, 36921),

Gene: Doomphist_54 Start: 39155, Stop: 39436, Start Num: 4

Candidate Starts for Doomphist_54:

(Start: 4 @39155 has 32 MA's), (5, 39218), (6, 39236), (7, 39332), (8, 39374), (9, 39428),

Gene: Dorothy_51 Start: 37196, Stop: 37477, Start Num: 4

Candidate Starts for Dorothy_51:

(1, 37088), (Start: 4 @37196 has 32 MA's), (5, 37259), (6, 37277), (7, 37373), (8, 37415), (9, 37469),

Gene: Fastidio_53 Start: 36795, Stop: 37076, Start Num: 4

Candidate Starts for Fastidio_53:

(Start: 4 @36795 has 32 MA's), (5, 36858), (6, 36876), (7, 36972), (8, 37014), (9, 37068),

Gene: Florinda_66 Start: 40510, Stop: 40791, Start Num: 4

Candidate Starts for Florinda_66:

(Start: 4 @40510 has 32 MA's), (5, 40573), (6, 40591), (7, 40687), (8, 40729), (9, 40783),

Gene: GUmbie_52 Start: 37478, Stop: 37759, Start Num: 4

Candidate Starts for GUmbie_52:

(3, 37373), (Start: 4 @37478 has 32 MA's), (5, 37541), (6, 37559), (7, 37655), (8, 37697), (9, 37751),

Gene: Gandolph_57 Start: 38298, Stop: 38579, Start Num: 4

Candidate Starts for Gandolph_57:

(1, 38190), (Start: 4 @38298 has 32 MA's), (5, 38361), (6, 38379), (7, 38475), (8, 38517), (9, 38571),

Gene: Girafales_64 Start: 40301, Stop: 40582, Start Num: 4

Candidate Starts for Girafales_64:

(Start: 4 @40301 has 32 MA's), (5, 40364), (6, 40382), (7, 40478), (8, 40520), (9, 40574),

Gene: Kimberlium_56 Start: 39644, Stop: 39925, Start Num: 4

Candidate Starts for Kimberlium_56:

(Start: 4 @39644 has 32 MA's), (5, 39707), (6, 39725), (7, 39821), (8, 39863), (9, 39917),

Gene: Kingsley_51 Start: 36987, Stop: 37268, Start Num: 4

Candidate Starts for Kingsley_51:

(1, 36879), (Start: 4 @36987 has 32 MA's), (5, 37050), (6, 37068), (7, 37164), (8, 37206), (9, 37260),

Gene: MadMen_52 Start: 37806, Stop: 38087, Start Num: 4

Candidate Starts for MadMen_52:

(Start: 4 @37806 has 32 MA's), (5, 37869), (6, 37887), (7, 37983), (8, 38025), (9, 38079),

Gene: Mahavrat_52 Start: 37426, Stop: 37707, Start Num: 4

Candidate Starts for Mahavrat_52:

(2, 37315), (3, 37324), (Start: 4 @37426 has 32 MA's), (5, 37489), (6, 37507), (7, 37603), (8, 37645), (9, 37699),

Gene: Mantra_50 Start: 36920, Stop: 37201, Start Num: 4

Candidate Starts for Mantra_50:

(Start: 4 @36920 has 32 MA's), (5, 36983), (6, 37001), (7, 37097), (8, 37139), (9, 37193),

Gene: Marker_60 Start: 37966, Stop: 38247, Start Num: 4

Candidate Starts for Marker_60:

(Start: 4 @37966 has 32 MA's), (5, 38029), (6, 38047), (7, 38143), (8, 38185), (9, 38239),

Gene: Mova_55 Start: 37555, Stop: 37836, Start Num: 4

Candidate Starts for Mova_55:

(1, 37447), (Start: 4 @37555 has 32 MA's), (5, 37618), (6, 37636), (7, 37732), (8, 37774), (9, 37828),

Gene: Ogopogo_59 Start: 38730, Stop: 39011, Start Num: 4

Candidate Starts for Ogopogo_59:

(1, 38634), (Start: 4 @38730 has 32 MA's), (5, 38793), (6, 38811), (7, 38907), (8, 38949), (9, 39003),

Gene: Plumbus_56 Start: 38297, Stop: 38578, Start Num: 4

Candidate Starts for Plumbus_56:

(Start: 4 @38297 has 32 MA's), (5, 38360), (6, 38378), (7, 38474), (8, 38516), (9, 38570),

Gene: Poenanya_54 Start: 39155, Stop: 39436, Start Num: 4

Candidate Starts for Poenanya_54:

(Start: 4 @39155 has 32 MA's), (5, 39218), (6, 39236), (7, 39332), (8, 39374), (9, 39428),

Gene: QuickMath_55 Start: 39867, Stop: 40148, Start Num: 4

Candidate Starts for QuickMath_55:

(Start: 4 @39867 has 32 MA's), (5, 39930), (6, 39948), (7, 40044), (8, 40086), (9, 40140),

Gene: Quico_63 Start: 40330, Stop: 40611, Start Num: 4

Candidate Starts for Quico_63:

(Start: 4 @40330 has 32 MA's), (5, 40393), (6, 40411), (7, 40507), (8, 40549), (9, 40603),

Gene: RedBird_51 Start: 37208, Stop: 37489, Start Num: 4

Candidate Starts for RedBird_51:

(1, 37100), (Start: 4 @37208 has 32 MA's), (5, 37271), (6, 37289), (7, 37385), (8, 37427), (9, 37481),

Gene: Sarma624_52 Start: 34179, Stop: 34460, Start Num: 4

Candidate Starts for Sarma624_52:

(1, 34071), (Start: 4 @34179 has 32 MA's), (5, 34242), (6, 34260), (7, 34356), (8, 34398), (9, 34452),

Gene: Seagreen_54 Start: 37577, Stop: 37858, Start Num: 4

Candidate Starts for Seagreen_54:

(3, 37472), (Start: 4 @37577 has 32 MA's), (5, 37640), (6, 37658), (7, 37754), (8, 37796), (9, 37850),

Gene: SiSi_52 Start: 37384, Stop: 37665, Start Num: 4

Candidate Starts for SiSi_52:

(Start: 4 @37384 has 32 MA's), (5, 37447), (6, 37465), (7, 37561), (8, 37603), (9, 37657),

Gene: Velveteen_49 Start: 34179, Stop: 34460, Start Num: 4

Candidate Starts for Velveteen_49:

(1, 34071), (Start: 4 @34179 has 32 MA's), (5, 34242), (6, 34260), (7, 34356), (8, 34398), (9, 34452),

Gene: Whatsapiecost_55 Start: 37569, Stop: 37850, Start Num: 4

Candidate Starts for Whatsapiecost_55:

(1, 37461), (Start: 4 @37569 has 32 MA's), (5, 37632), (6, 37650), (7, 37746), (8, 37788), (9, 37842),