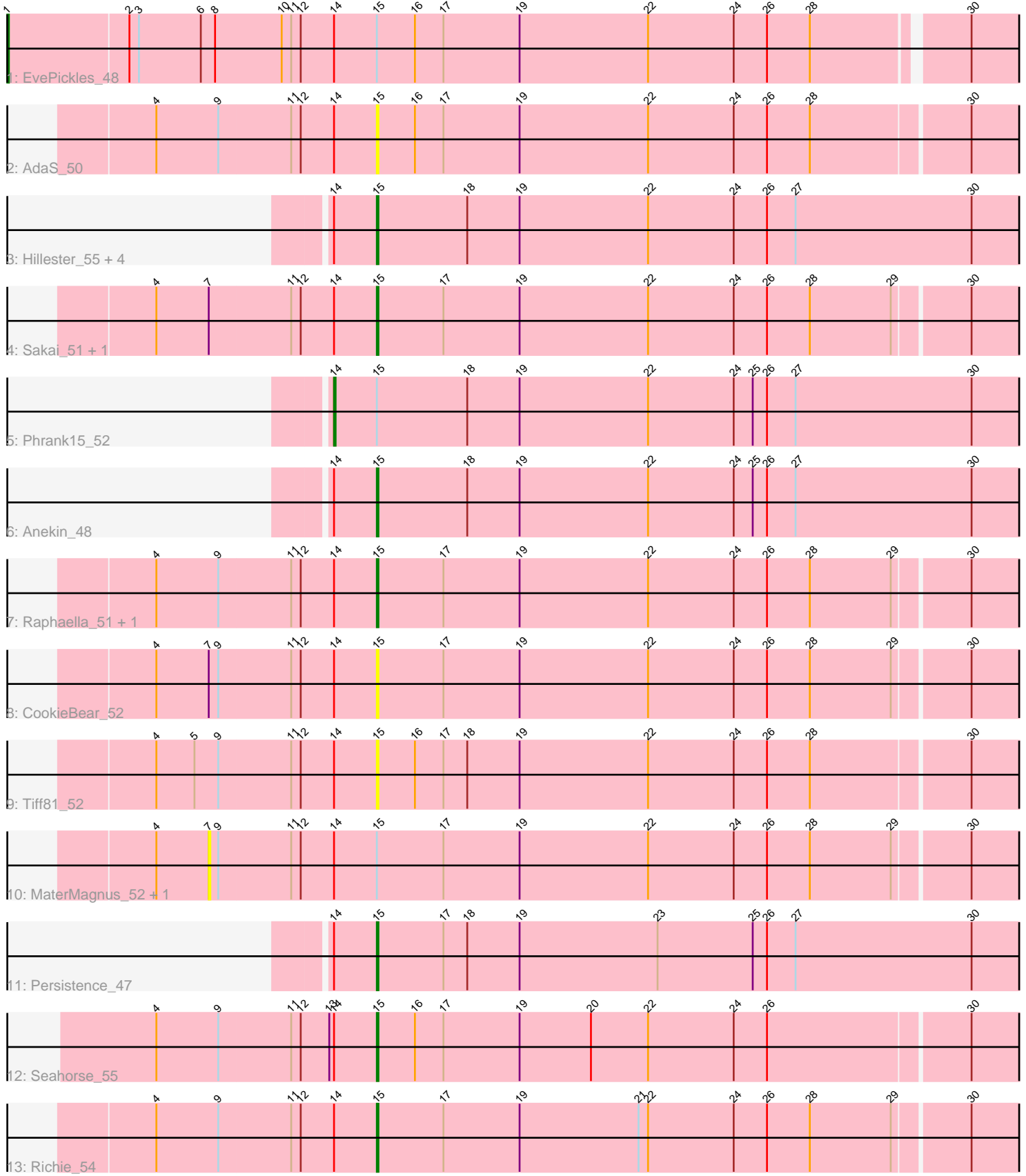


Pham 203319



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 203319 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203319 has 20 members, 8 are drafts.

Phages represented in each track:

- Track 1 : EvePickles_48
- Track 2 : AdaS_50
- Track 3 : Hillester_55, MidnightRain_55, RadFad_55, Vopal_54, Raqqa_43
- Track 4 : Sakai_51, Gorpy_52
- Track 5 : Phrank15_52
- Track 6 : Anekin_48
- Track 7 : Raphaella_51, Isolde_51
- Track 8 : CookieBear_52
- Track 9 : Tiff81_52
- Track 10 : MaterMagnus_52, Aikyam_50
- Track 11 : Persistence_47
- Track 12 : Seahorse_55
- Track 13 : Richie_54

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

The start number called the most often in the published annotations is 15, it was called in 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AdaS_50, Anekin_48, CookieBear_52, Gorpy_52, Hillester_55, Isolde_51, MidnightRain_55, Persistence_47, RadFad_55, Raphaella_51, Raqqa_43, Richie_54, Sakai_51, Seahorse_55, Tiff81_52, Vopal_54,

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

- Aikyam_50, EvePickles_48, MaterMagnus_52, Phrank15_52,

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

-

Summary by start number:

Start 1:

- Found in 1 of 20 (5.0%) of genes in pham

- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EvePickles_48 (AY),

Start 7:

- Found in 5 of 20 (25.0%) of genes in pham
- No Manual Annotations of this start.
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Aikyam_50 (AY), MaterMagnus_52 (AY),

Start 14:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 5.0% of time when present
- Phage (with cluster) where this start called: Phrank15_52 (AY),

Start 15:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 12
- Called 80.0% of time when present
- Phage (with cluster) where this start called: AdaS_50 (AY), Anekin_48 (AY), CookieBear_52 (AY), Gorpy_52 (AY), Hillester_55 (AY), Isolde_51 (AY), MidnightRain_55 (AY), Persistence_47 (AY), RadFad_55 (AY), Raphaella_51 (AY), Raqqa_43 (AY), Richie_54 (AY), Sakai_51 (AY), Seahorse_55 (AY), Tiff81_52 (AY), Vopal_54 (AY),

Summary by clusters:

There is one cluster represented in this pham: AY

Info for manual annotations of cluster AY:

- Start number 1 was manually annotated 1 time for cluster AY.
- Start number 14 was manually annotated 1 time for cluster AY.
- Start number 15 was manually annotated 10 times for cluster AY.

Gene Information:

Gene: AdaS_50 Start: 30190, Stop: 29738, Start Num: 15

Candidate Starts for AdaS_50:

(4, 30328), (9, 30289), (11, 30244), (12, 30238), (Start: 14 @30217 has 1 MA's), (Start: 15 @30190 has 10 MA's), (16, 30166), (17, 30148), (19, 30100), (22, 30019), (24, 29965), (26, 29944), (28, 29917), (30, 29821),

Gene: Aikyam_50 Start: 30065, Stop: 29508, Start Num: 7

Candidate Starts for Aikyam_50:

(4, 30098), (7, 30065), (9, 30059), (11, 30014), (12, 30008), (Start: 14 @29987 has 1 MA's), (Start: 15 @29960 has 10 MA's), (17, 29918), (19, 29870), (22, 29789), (24, 29735), (26, 29714), (28, 29687), (29, 29636), (30, 29591),

Gene: Anekin_48 Start: 31396, Stop: 30938, Start Num: 15

Candidate Starts for Anekin_48:

(Start: 14 @31423 has 1 MA's), (Start: 15 @31396 has 10 MA's), (18, 31339), (19, 31306), (22, 31225), (24, 31171), (25, 31159), (26, 31150), (27, 31132), (30, 31021),

Gene: CookieBear_52 Start: 31940, Stop: 31488, Start Num: 15

Candidate Starts for CookieBear_52:

(4, 32078), (7, 32045), (9, 32039), (11, 31994), (12, 31988), (Start: 14 @31967 has 1 MA's), (Start: 15 @31940 has 10 MA's), (17, 31898), (19, 31850), (22, 31769), (24, 31715), (26, 31694), (28, 31667), (29, 31616), (30, 31571),

Gene: EvePickles_48 Start: 32370, Stop: 31693, Start Num: 1

Candidate Starts for EvePickles_48:

(Start: 1 @32370 has 1 MA's), (2, 32295), (3, 32289), (6, 32250), (8, 32241), (10, 32199), (11, 32193), (12, 32187), (Start: 14 @32166 has 1 MA's), (Start: 15 @32139 has 10 MA's), (16, 32115), (17, 32097), (19, 32049), (22, 31968), (24, 31914), (26, 31893), (28, 31866), (30, 31776),

Gene: Gorpy_52 Start: 32932, Stop: 32480, Start Num: 15

Candidate Starts for Gorpy_52:

(4, 33070), (7, 33037), (11, 32986), (12, 32980), (Start: 14 @32959 has 1 MA's), (Start: 15 @32932 has 10 MA's), (17, 32890), (19, 32842), (22, 32761), (24, 32707), (26, 32686), (28, 32659), (29, 32608), (30, 32563),

Gene: Hillester_55 Start: 32879, Stop: 32421, Start Num: 15

Candidate Starts for Hillester_55:

(Start: 14 @32906 has 1 MA's), (Start: 15 @32879 has 10 MA's), (18, 32822), (19, 32789), (22, 32708), (24, 32654), (26, 32633), (27, 32615), (30, 32504),

Gene: Isolde_51 Start: 31609, Stop: 31157, Start Num: 15

Candidate Starts for Isolde_51:

(4, 31747), (9, 31708), (11, 31663), (12, 31657), (Start: 14 @31636 has 1 MA's), (Start: 15 @31609 has 10 MA's), (17, 31567), (19, 31519), (22, 31438), (24, 31384), (26, 31363), (28, 31336), (29, 31285), (30, 31240),

Gene: MaterMagnus_52 Start: 32237, Stop: 31680, Start Num: 7

Candidate Starts for MaterMagnus_52:

(4, 32270), (7, 32237), (9, 32231), (11, 32186), (12, 32180), (Start: 14 @32159 has 1 MA's), (Start: 15 @32132 has 10 MA's), (17, 32090), (19, 32042), (22, 31961), (24, 31907), (26, 31886), (28, 31859), (29, 31808), (30, 31763),

Gene: MidnightRain_55 Start: 33060, Stop: 32602, Start Num: 15

Candidate Starts for MidnightRain_55:

(Start: 14 @33087 has 1 MA's), (Start: 15 @33060 has 10 MA's), (18, 33003), (19, 32970), (22, 32889), (24, 32835), (26, 32814), (27, 32796), (30, 32685),

Gene: Persistence_47 Start: 30673, Stop: 30215, Start Num: 15

Candidate Starts for Persistence_47:

(Start: 14 @30700 has 1 MA's), (Start: 15 @30673 has 10 MA's), (17, 30631), (18, 30616), (19, 30583), (23, 30496), (25, 30436), (26, 30427), (27, 30409), (30, 30298),

Gene: Phrank15_52 Start: 31931, Stop: 31446, Start Num: 14

Candidate Starts for Phrank15_52:

(Start: 14 @31931 has 1 MA's), (Start: 15 @31904 has 10 MA's), (18, 31847), (19, 31814), (22, 31733), (24, 31679), (25, 31667), (26, 31658), (27, 31640), (30, 31529),

Gene: RadFad_55 Start: 32879, Stop: 32421, Start Num: 15

Candidate Starts for RadFad_55:

(Start: 14 @32906 has 1 MA's), (Start: 15 @32879 has 10 MA's), (18, 32822), (19, 32789), (22, 32708), (24, 32654), (26, 32633), (27, 32615), (30, 32504),

Gene: Raphaella_51 Start: 31541, Stop: 31089, Start Num: 15

Candidate Starts for Raphaella_51:

(4, 31679), (9, 31640), (11, 31595), (12, 31589), (Start: 14 @31568 has 1 MA's), (Start: 15 @31541 has 10 MA's), (17, 31499), (19, 31451), (22, 31370), (24, 31316), (26, 31295), (28, 31268), (29, 31217), (30, 31172),

Gene: Raqqa_43 Start: 28744, Stop: 28286, Start Num: 15

Candidate Starts for Raqqa_43:

(Start: 14 @28771 has 1 MA's), (Start: 15 @28744 has 10 MA's), (18, 28687), (19, 28654), (22, 28573), (24, 28519), (26, 28498), (27, 28480), (30, 28369),

Gene: Richie_54 Start: 32610, Stop: 32158, Start Num: 15

Candidate Starts for Richie_54:

(4, 32748), (9, 32709), (11, 32664), (12, 32658), (Start: 14 @32637 has 1 MA's), (Start: 15 @32610 has 10 MA's), (17, 32568), (19, 32520), (21, 32445), (22, 32439), (24, 32385), (26, 32364), (28, 32337), (29, 32286), (30, 32241),

Gene: Sakai_51 Start: 31643, Stop: 31191, Start Num: 15

Candidate Starts for Sakai_51:

(4, 31781), (7, 31748), (11, 31697), (12, 31691), (Start: 14 @31670 has 1 MA's), (Start: 15 @31643 has 10 MA's), (17, 31601), (19, 31553), (22, 31472), (24, 31418), (26, 31397), (28, 31370), (29, 31319), (30, 31274),

Gene: Seahorse_55 Start: 33875, Stop: 33423, Start Num: 15

Candidate Starts for Seahorse_55:

(4, 34013), (9, 33974), (11, 33929), (12, 33923), (13, 33905), (Start: 14 @33902 has 1 MA's), (Start: 15 @33875 has 10 MA's), (16, 33851), (17, 33833), (19, 33785), (20, 33740), (22, 33704), (24, 33650), (26, 33629), (30, 33506),

Gene: Tiff81_52 Start: 30054, Stop: 29602, Start Num: 15

Candidate Starts for Tiff81_52:

(4, 30192), (5, 30168), (9, 30153), (11, 30108), (12, 30102), (Start: 14 @30081 has 1 MA's), (Start: 15 @30054 has 10 MA's), (16, 30030), (17, 30012), (18, 29997), (19, 29964), (22, 29883), (24, 29829), (26, 29808), (28, 29781), (30, 29685),

Gene: Vopal_54 Start: 34776, Stop: 34318, Start Num: 15

Candidate Starts for Vopal_54:

(Start: 14 @34803 has 1 MA's), (Start: 15 @34776 has 10 MA's), (18, 34719), (19, 34686), (22, 34605), (24, 34551), (26, 34530), (27, 34512), (30, 34401),