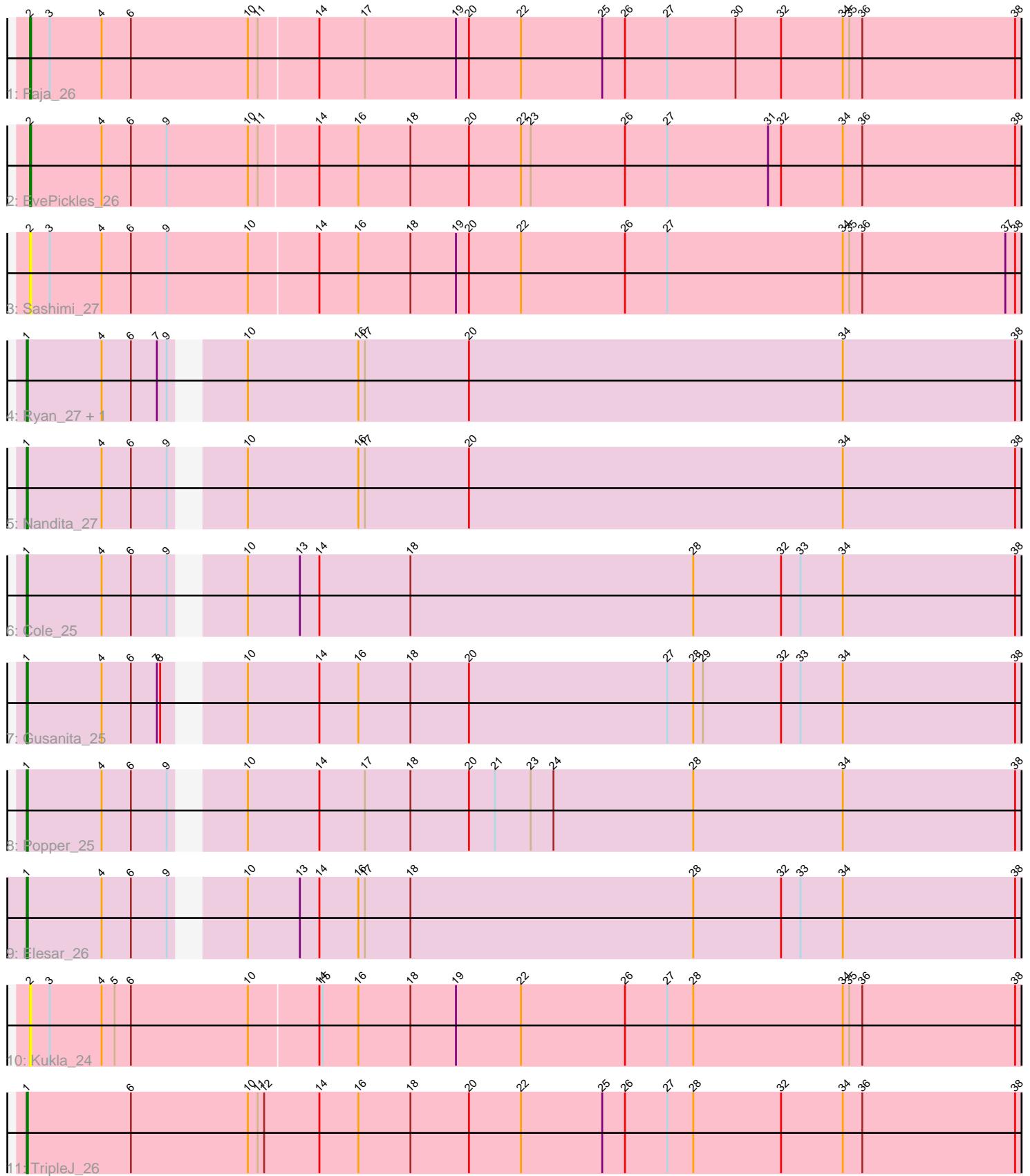


Zoomed Pham 5857



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 5857 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5857 has 12 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Faja_26
- Track 2 : EvePickles_26
- Track 3 : Sashimi_27
- Track 4 : Ryan_27, Zaheer_27
- Track 5 : Nandita_27
- Track 6 : Cole_25
- Track 7 : Gusanita_25
- Track 8 : Popper_25
- Track 9 : Elesar_26
- Track 10 : Kukla_24
- Track 11 : TripleJ_26

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cole_25, Elesar_26, Gusanita_25, Nandita_27, Popper_25, Ryan_27, TripleJ_26, Zaheer_27,

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

-

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

- EvePickles_26, Faja_26, Kukla_24, Sashimi_27,

Summary by start number:

Start 1:

- Found in 8 of 12 (66.7%) of genes in pham
- Manual Annotations of this start: 8 of 10
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Cole_25 (FF), Elesar_26 (FF), Gusanita_25 (FF), Nandita_27 (FF), Popper_25 (FF), Ryan_27 (FF), TripleJ_26 (FJ), Zaheer_27 (FF),

Start 2:

- Found in 4 of 12 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EvePickles_26 (AY), Faja_26 (AY), Kukla_24 (FJ), Sashimi_27 (AY),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FJ, FF,

Info for manual annotations of cluster AY:

- Start number 2 was manually annotated 2 times for cluster AY.

Info for manual annotations of cluster FF:

- Start number 1 was manually annotated 7 times for cluster FF.

Info for manual annotations of cluster FJ:

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

Gene Information:

Gene: Cole_25 Start: 19792, Stop: 20895, Start Num: 1

Candidate Starts for Cole_25:

(Start: 1 @19792 has 8 MA's), (4, 19861), (6, 19888), (9, 19921), (10, 19969), (13, 20017), (14, 20035), (18, 20119), (28, 20380), (32, 20461), (33, 20479), (34, 20518), (38, 20677), (41, 20806), (43, 20869), (44, 20878),

Gene: Elesar_26 Start: 20038, Stop: 21141, Start Num: 1

Candidate Starts for Elesar_26:

(Start: 1 @20038 has 8 MA's), (4, 20107), (6, 20134), (9, 20167), (10, 20215), (13, 20263), (14, 20281), (16, 20317), (17, 20323), (18, 20365), (28, 20626), (32, 20707), (33, 20725), (34, 20764), (38, 20923), (41, 21052), (43, 21115), (44, 21124),

Gene: EvePickles_26 Start: 19313, Stop: 20437, Start Num: 2

Candidate Starts for EvePickles_26:

(Start: 2 @19313 has 2 MA's), (4, 19379), (6, 19406), (9, 19439), (10, 19514), (11, 19523), (14, 19577), (16, 19613), (18, 19661), (20, 19715), (22, 19763), (23, 19772), (26, 19859), (27, 19898), (31, 19991), (32, 20003), (34, 20060), (36, 20078), (38, 20219),

Gene: Faja_26 Start: 19207, Stop: 20331, Start Num: 2

Candidate Starts for Faja_26:

(Start: 2 @19207 has 2 MA's), (3, 19225), (4, 19273), (6, 19300), (10, 19408), (11, 19417), (14, 19471), (17, 19513), (19, 19597), (20, 19609), (22, 19657), (25, 19732), (26, 19753), (27, 19792), (30, 19855), (32, 19897), (34, 19954), (35, 19960), (36, 19972), (38, 20113), (42, 20299),

Gene: Gusanita_25 Start: 19747, Stop: 20850, Start Num: 1

Candidate Starts for Gusanita_25:

(Start: 1 @19747 has 8 MA's), (4, 19816), (6, 19843), (7, 19867), (8, 19870), (10, 19924), (14, 19990), (16, 20026), (18, 20074), (20, 20128), (27, 20311), (28, 20335), (29, 20344), (32, 20416), (33, 20434), (34, 20473), (38, 20632), (39, 20647), (43, 20824), (44, 20833),

Gene: Kukla_24 Start: 18700, Stop: 19824, Start Num: 2

Candidate Starts for Kukla_24:

(Start: 2 @18700 has 2 MA's), (3, 18718), (4, 18766), (5, 18778), (6, 18793), (10, 18901), (14, 18964), (15, 18967), (16, 19000), (18, 19048), (19, 19090), (22, 19150), (26, 19246), (27, 19285), (28, 19309), (34, 19447), (35, 19453), (36, 19465), (38, 19606), (39, 19621),

Gene: Nandita_27 Start: 19991, Stop: 21094, Start Num: 1

Candidate Starts for Nandita_27:

(Start: 1 @19991 has 8 MA's), (4, 20060), (6, 20087), (9, 20120), (10, 20168), (16, 20270), (17, 20276), (20, 20372), (34, 20717), (38, 20876), (39, 20891), (40, 20903), (41, 21005), (42, 21062), (43, 21068), (44, 21077),

Gene: Popper_25 Start: 19896, Stop: 20999, Start Num: 1

Candidate Starts for Popper_25:

(Start: 1 @19896 has 8 MA's), (4, 19965), (6, 19992), (9, 20025), (10, 20073), (14, 20139), (17, 20181), (18, 20223), (20, 20277), (21, 20301), (23, 20334), (24, 20355), (28, 20484), (34, 20622), (38, 20781), (39, 20796), (41, 20910), (43, 20973), (44, 20982),

Gene: Ryan_27 Start: 20581, Stop: 21684, Start Num: 1

Candidate Starts for Ryan_27:

(Start: 1 @20581 has 8 MA's), (4, 20650), (6, 20677), (7, 20701), (9, 20710), (10, 20758), (16, 20860), (17, 20866), (20, 20962), (34, 21307), (38, 21466), (39, 21481), (40, 21493), (41, 21595), (42, 21652), (43, 21658), (44, 21667),

Gene: Sashimi_27 Start: 19113, Stop: 20237, Start Num: 2

Candidate Starts for Sashimi_27:

(Start: 2 @19113 has 2 MA's), (3, 19131), (4, 19179), (6, 19206), (9, 19239), (10, 19314), (14, 19377), (16, 19413), (18, 19461), (19, 19503), (20, 19515), (22, 19563), (26, 19659), (27, 19698), (34, 19860), (35, 19866), (36, 19878), (37, 20010), (38, 20019), (39, 20034), (42, 20205), (43, 20211),

Gene: TripleJ_26 Start: 19578, Stop: 20708, Start Num: 1

Candidate Starts for TripleJ_26:

(Start: 1 @19578 has 8 MA's), (6, 19674), (10, 19782), (11, 19791), (12, 19797), (14, 19848), (16, 19884), (18, 19932), (20, 19986), (22, 20034), (25, 20109), (26, 20130), (27, 20169), (28, 20193), (32, 20274), (34, 20331), (36, 20349), (38, 20490),

Gene: Zaheer_27 Start: 20670, Stop: 21773, Start Num: 1

Candidate Starts for Zaheer_27:

(Start: 1 @20670 has 8 MA's), (4, 20739), (6, 20766), (7, 20790), (9, 20799), (10, 20847), (16, 20949), (17, 20955), (20, 21051), (34, 21396), (38, 21555), (39, 21570), (40, 21582), (41, 21684), (42, 21741), (43, 21747), (44, 21756),