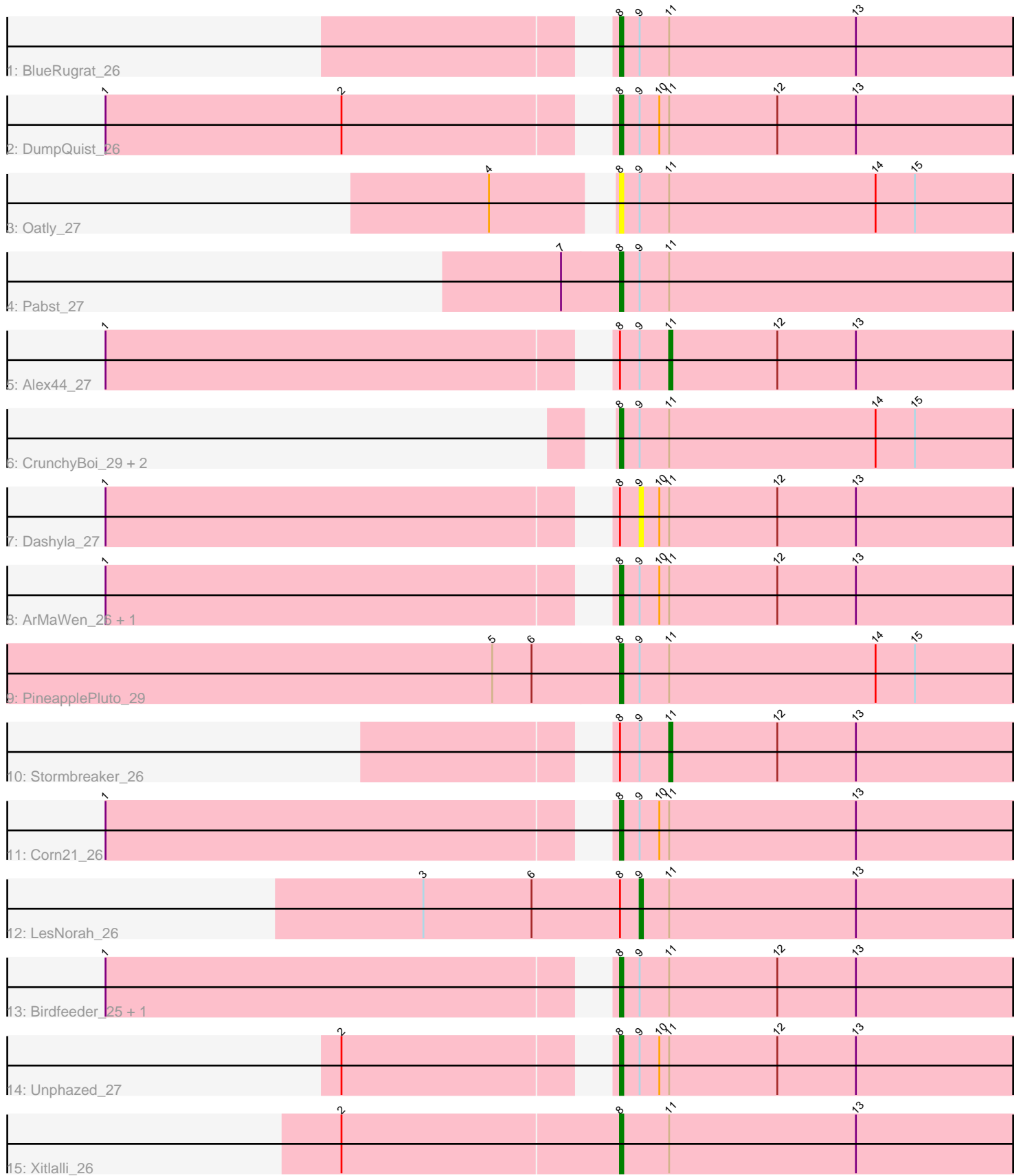


Pham 4721



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 4721 Report

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

Pham number 4721 has 19 members, 3 are drafts.

Phages represented in each track:

- Track 1 : BlueRugrat_26
- Track 2 : DumpQuist_26
- Track 3 : Oatly_27
- Track 4 : Pabst_27
- Track 5 : Alex44_27
- Track 6 : CrunchyBoi_29, HitchHiker_29, Biozilla_28
- Track 7 : Dashyla_27
- Track 8 : ArMaWen_26, LilyLou_27
- Track 9 : PineapplePluto_29
- Track 10 : Stormbreaker_26
- Track 11 : Corn21_26
- Track 12 : LesNorah_26
- Track 13 : Birdfeeder_25, Phogo_27
- Track 14 : Unphazed_27
- Track 15 : Xitlalli_26

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

The start number called the most often in the published annotations is 8, it was called in 13 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ArMaWen_26, Biozilla_28, Birdfeeder_25, BlueRugrat_26, Corn21_26, CrunchyBoi_29, DumpQuist_26, HitchHiker_29, LilyLou_27, Oatly_27, Pabst_27, Phogo_27, PineapplePluto_29, Unphazed_27, Xitlalli_26,

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

- Alex44_27, Dashyla_27, LesNorah_26, Stormbreaker_26,

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

-

Summary by start number:

Start 8:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 16
- Called 78.9% of time when present
- Phage (with cluster) where this start called: ArMaWen_26 (EK1), Biozilla_28 (EK1), Birdfeeder_25 (EK1), BlueRugrat_26 (EK1), Corn21_26 (EK1), CrunchyBoi_29 (EK1), DumpQuist_26 (EK1), HitchHiker_29 (EK1), LilyLou_27 (EK1), Oatly_27 (EK1), Pabst_27 (EK1), Phogo_27 (EK1), PineapplePluto_29 (EK1), Unphazed_27 (EK1), Xitlalli_26 (EK1),

Start 9:

- Found in 18 of 19 (94.7%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Dashyla_27 (EK1), LesNorah_26 (EK1),

Start 11:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 16
- Called 10.5% of time when present
- Phage (with cluster) where this start called: Alex44_27 (EK1), Stormbreaker_26 (EK1),

Summary by clusters:

There is one cluster represented in this pham: EK1

Info for manual annotations of cluster EK1:

- Start number 8 was manually annotated 13 times for cluster EK1.
- Start number 9 was manually annotated 1 time for cluster EK1.
- Start number 11 was manually annotated 2 times for cluster EK1.

Gene Information:

Gene: Alex44_27 Start: 15345, Stop: 15217, Start Num: 11

Candidate Starts for Alex44_27:

(1, 15504), (Start: 8 @15360 has 13 MA's), (Start: 9 @15354 has 1 MA's), (Start: 11 @15345 has 2 MA's), (12, 15312), (13, 15288),

Gene: ArMaWen_26 Start: 14944, Stop: 14801, Start Num: 8

Candidate Starts for ArMaWen_26:

(1, 15088), (Start: 8 @14944 has 13 MA's), (Start: 9 @14938 has 1 MA's), (10, 14932), (Start: 11 @14929 has 2 MA's), (12, 14896), (13, 14872),

Gene: Biozilla_28 Start: 15658, Stop: 15515, Start Num: 8

Candidate Starts for Biozilla_28:

(Start: 8 @15658 has 13 MA's), (Start: 9 @15652 has 1 MA's), (Start: 11 @15643 has 2 MA's), (14, 15580), (15, 15568),

Gene: Birdfeeder_25 Start: 15092, Stop: 14949, Start Num: 8

Candidate Starts for Birdfeeder_25:

(1, 15236), (Start: 8 @15092 has 13 MA's), (Start: 9 @15086 has 1 MA's), (Start: 11 @15077 has 2 MA's), (12, 15044), (13, 15020),

Gene: BlueRugrat_26 Start: 15378, Stop: 15235, Start Num: 8

Candidate Starts for BlueRugrat_26:

(Start: 8 @15378 has 13 MA's), (Start: 9 @15372 has 1 MA's), (Start: 11 @15363 has 2 MA's), (13, 15306),

Gene: Corn21_26 Start: 15486, Stop: 15343, Start Num: 8

Candidate Starts for Corn21_26:

(1, 15630), (Start: 8 @15486 has 13 MA's), (Start: 9 @15480 has 1 MA's), (10, 15474), (Start: 11 @15471 has 2 MA's), (13, 15414),

Gene: CrunchyBoi_29 Start: 15510, Stop: 15367, Start Num: 8

Candidate Starts for CrunchyBoi_29:

(Start: 8 @15510 has 13 MA's), (Start: 9 @15504 has 1 MA's), (Start: 11 @15495 has 2 MA's), (14, 15432), (15, 15420),

Gene: Dashyla_27 Start: 14954, Stop: 14817, Start Num: 9

Candidate Starts for Dashyla_27:

(1, 15104), (Start: 8 @14960 has 13 MA's), (Start: 9 @14954 has 1 MA's), (10, 14948), (Start: 11 @14945 has 2 MA's), (12, 14912), (13, 14888),

Gene: DumpQuist_26 Start: 14932, Stop: 14789, Start Num: 8

Candidate Starts for DumpQuist_26:

(1, 15076), (2, 15004), (Start: 8 @14932 has 13 MA's), (Start: 9 @14926 has 1 MA's), (10, 14920), (Start: 11 @14917 has 2 MA's), (12, 14884), (13, 14860),

Gene: HitchHiker_29 Start: 15658, Stop: 15515, Start Num: 8

Candidate Starts for HitchHiker_29:

(Start: 8 @15658 has 13 MA's), (Start: 9 @15652 has 1 MA's), (Start: 11 @15643 has 2 MA's), (14, 15580), (15, 15568),

Gene: LesNorah_26 Start: 15483, Stop: 15346, Start Num: 9

Candidate Starts for LesNorah_26:

(3, 15549), (6, 15516), (Start: 8 @15489 has 13 MA's), (Start: 9 @15483 has 1 MA's), (Start: 11 @15474 has 2 MA's), (13, 15417),

Gene: LilyLou_27 Start: 15324, Stop: 15181, Start Num: 8

Candidate Starts for LilyLou_27:

(1, 15468), (Start: 8 @15324 has 13 MA's), (Start: 9 @15318 has 1 MA's), (10, 15312), (Start: 11 @15309 has 2 MA's), (12, 15276), (13, 15252),

Gene: Oatly_27 Start: 15030, Stop: 14887, Start Num: 8

Candidate Starts for Oatly_27:

(4, 15060), (Start: 8 @15030 has 13 MA's), (Start: 9 @15024 has 1 MA's), (Start: 11 @15015 has 2 MA's), (14, 14952), (15, 14940),

Gene: Pabst_27 Start: 15174, Stop: 15031, Start Num: 8

Candidate Starts for Pabst_27:

(7, 15180), (Start: 8 @15174 has 13 MA's), (Start: 9 @15168 has 1 MA's), (Start: 11 @15159 has 2 MA's),

Gene: Phogo_27 Start: 15147, Stop: 15004, Start Num: 8

Candidate Starts for Phogo_27:

(1, 15291), (Start: 8 @15147 has 13 MA's), (Start: 9 @15141 has 1 MA's), (Start: 11 @15132 has 2 MA's), (12, 15099), (13, 15075),

Gene: PineapplePluto_29 Start: 15514, Stop: 15371, Start Num: 8

Candidate Starts for PineapplePluto_29:

(5, 15541), (6, 15529), (Start: 8 @15514 has 13 MA's), (Start: 9 @15508 has 1 MA's), (Start: 11 @15499 has 2 MA's), (14, 15436), (15, 15424),

Gene: Stormbreaker_26 Start: 15253, Stop: 15125, Start Num: 11

Candidate Starts for Stormbreaker_26:

(Start: 8 @15268 has 13 MA's), (Start: 9 @15262 has 1 MA's), (Start: 11 @15253 has 2 MA's), (12, 15220), (13, 15196),

Gene: Unphazed_27 Start: 15183, Stop: 15040, Start Num: 8

Candidate Starts for Unphazed_27:

(2, 15255), (Start: 8 @15183 has 13 MA's), (Start: 9 @15177 has 1 MA's), (10, 15171), (Start: 11 @15168 has 2 MA's), (12, 15135), (13, 15111),

Gene: Xitlalli_26 Start: 15541, Stop: 15398, Start Num: 8

Candidate Starts for Xitlalli_26:

(2, 15625), (Start: 8 @15541 has 13 MA's), (Start: 11 @15526 has 2 MA's), (13, 15469),