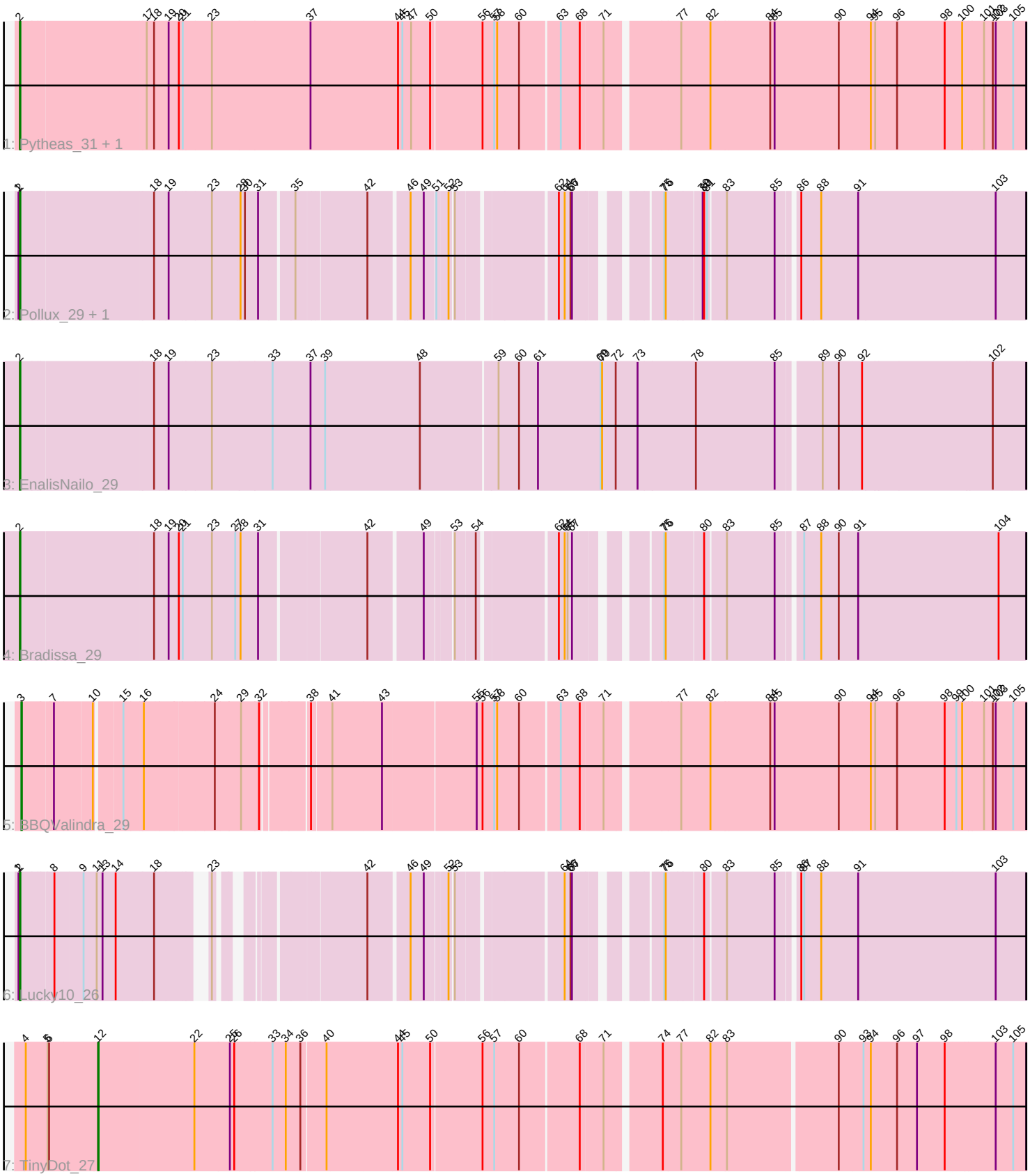
Pham 225117


1: Pytheas_31 + 1
2: Pollux_29 + 1
3: EnalisNailo_29
4: Bradissa_29
5: BBQValindra_29
6: Lucky10_26
7: TinyDot_27

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 225117 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225117 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Pytheas_31, Jablanski_31
• Track 2 : Pollux_29, Floral_29
• Track 3 : EnalisNailo_29
• Track 4 : Bradissa_29
• Track 5 : BBQValindra_29
• Track 6 : Lucky10_26
• Track 7 : TinyDot_27

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bradissa_29, EnalisNailo_29, Floral_29, Jablanski_31, Lucky10_26, Pollux_29, Pytheas_31,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• BBQValindra_29, TinyDot_27,

Summary by start number:

Start 2:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 7 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bradissa_29 (CY1), EnalisNailo_29 (CY1), Floral_29 (CY1), Jablanski_31 (CY), Lucky10_26 (DH), Pollux_29 (CY1), Pytheas_31 (CY),

Start 3:

• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BBQValindra_29 (DB),

Start 12:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TinyDot_27 (singleton),

Summary by clusters:

There are 5 clusters represented in this pham: CY, DB, CY1, DH, singleton,

Info for manual annotations of cluster CY:
•Start number 2 was manually annotated 2 times for cluster CY.

Info for manual annotations of cluster CY1:
•Start number 2 was manually annotated 4 times for cluster CY1.

Info for manual annotations of cluster DB:
•Start number 3 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DH:
•Start number 2 was manually annotated 1 time for cluster DH.

Gene Information:

Gene: BBQValindra_29 Start: 24300, Stop: 26213, Start Num: 3
Candidate Starts for BBQValindra_29:
(Start: 3 @24300 has 1 MA's), (7, 24360), (10, 24432), (15, 24477), (16, 24513), (24, 24642), (29, 24693), (32, 24729), (38, 24813), (41, 24852), (43, 24951), (55, 25137), (56, 25149), (57, 25173), (58, 25179), (60, 25224), (63, 25302), (68, 25341), (71, 25383), (77, 25518), (82, 25578), (84, 25698), (85, 25707), (90, 25839), (94, 25902), (95, 25911), (96, 25956), (98, 26052), (99, 26073), (100, 26085), (101, 26127), (102, 26145), (103, 26151), (105, 26187),

Gene: Bradissa_29 Start: 24722, Stop: 26545, Start Num: 2
Candidate Starts for Bradissa_29:
(Start: 2 @24722 has 7 MA's), (18, 24983), (19, 25010), (20, 25031), (21, 25037), (23, 25094), (27, 25142), (28, 25151), (31, 25187), (42, 25379), (49, 25478), (53, 25526), (54, 25565), (62, 25700), (64, 25712), (65, 25718), (67, 25727), (75, 25853), (76, 25856), (80, 25922), (83, 25961), (85, 26057), (87, 26099), (88, 26132), (90, 26168), (91, 26207), (104, 26492),

Gene: EnalisNailo_29 Start: 24724, Stop: 26721, Start Num: 2
Candidate Starts for EnalisNailo_29:
(Start: 2 @24724 has 7 MA's), (18, 24985), (19, 25012), (23, 25096), (33, 25219), (37, 25297), (39, 25327), (48, 25519), (59, 25672), (60, 25714), (61, 25753), (69, 25882), (70, 25885), (72, 25912), (73, 25957), (78, 26074), (85, 26236), (89, 26317), (90, 26350), (92, 26395), (102, 26656),

Gene: Floral_29 Start: 24575, Stop: 26398, Start Num: 2

Candidate Starts for Floral_29:
(1, 24572), (Start: 2 @24575 has 7 MA's), (18, 24836), (19, 24863), (23, 24947), (28, 25004), (30, 25013), (31, 25040), (35, 25103), (42, 25232), (46, 25307), (49, 25331), (51, 25352), (52, 25373), (53, 25379), (62, 25553), (64, 25565), (66, 25577), (67, 25580), (75, 25706), (76, 25709), (79, 25772), (80, 25775), (81, 25781), (83, 25814), (85, 25910), (86, 25946), (88, 25985), (91, 26060), (103, 26339),

Gene: Jablanski_31 Start: 25723, Stop: 27699, Start Num: 2
Candidate Starts for Jablanski_31:
(Start: 2 @25723 has 7 MA's), (17, 25969), (18, 25984), (19, 26011), (20, 26032), (21, 26038), (23, 26095), (37, 26296), (44, 26467), (45, 26476), (47, 26494), (50, 26533), (56, 26635), (57, 26659), (58, 26665), (60, 26710), (63, 26788), (68, 26827), (71, 26869), (77, 27004), (82, 27064), (84, 27184), (85, 27193), (90, 27325), (94, 27388), (95, 27397), (96, 27442), (98, 27538), (100, 27571), (101, 27613), (102, 27631), (103, 27637), (105, 27673),

Gene: Lucky10_26 Start: 22139, Stop: 23872, Start Num: 2
Candidate Starts for Lucky10_26:
(1, 22136), (Start: 2 @22139 has 7 MA's), (8, 22199), (9, 22256), (11, 22283), (13, 22295), (14, 22322), (18, 22397), (23, 22475), (42, 22709), (46, 22784), (49, 22808), (52, 22847), (53, 22853), (64, 23039), (66, 23051), (67, 23054), (75, 23180), (76, 23183), (80, 23249), (83, 23288), (85, 23384), (86, 23420), (87, 23426), (88, 23459), (91, 23534), (103, 23813),

Gene: Pollux_29 Start: 24575, Stop: 26398, Start Num: 2
Candidate Starts for Pollux_29:
(1, 24572), (Start: 2 @24575 has 7 MA's), (18, 24836), (19, 24863), (23, 24947), (28, 25004), (30, 25013), (31, 25040), (35, 25103), (42, 25232), (46, 25307), (49, 25331), (51, 25352), (52, 25373), (53, 25379), (62, 25553), (64, 25565), (66, 25577), (67, 25580), (75, 25706), (76, 25709), (79, 25772), (80, 25775), (81, 25781), (83, 25814), (85, 25910), (86, 25946), (88, 25985), (91, 26060), (103, 26339),

Gene: Pytheas_31 Start: 25722, Stop: 27698, Start Num: 2
Candidate Starts for Pytheas_31:
(Start: 2 @25722 has 7 MA's), (17, 25968), (18, 25983), (19, 26010), (20, 26031), (21, 26037), (23, 26094), (37, 26295), (44, 26466), (45, 26475), (47, 26493), (50, 26532), (56, 26634), (57, 26658), (58, 26664), (60, 26709), (63, 26787), (68, 26826), (71, 26868), (77, 27003), (82, 27063), (84, 27183), (85, 27192), (90, 27324), (94, 27387), (95, 27396), (96, 27441), (98, 27537), (100, 27570), (101, 27612), (102, 27630), (103, 27636), (105, 27672),

Gene: TinyDot_27 Start: 21466, Stop: 23274, Start Num: 12
Candidate Starts for TinyDot_27:
(4, 21319), (5, 21364), (6, 21367), (Start: 12 @21466 has 1 MA's), (22, 21661), (25, 21733), (26, 21742), (33, 21817), (34, 21844), (36, 21874), (40, 21922), (44, 22060), (45, 22069), (50, 22126), (56, 22228), (57, 22252), (60, 22303), (68, 22420), (71, 22462), (74, 22561), (77, 22597), (82, 22657), (83, 22690), (90, 22900), (93, 22948), (94, 22963), (96, 23017), (97, 23056), (98, 23113), (103, 23212), (105, 23248),