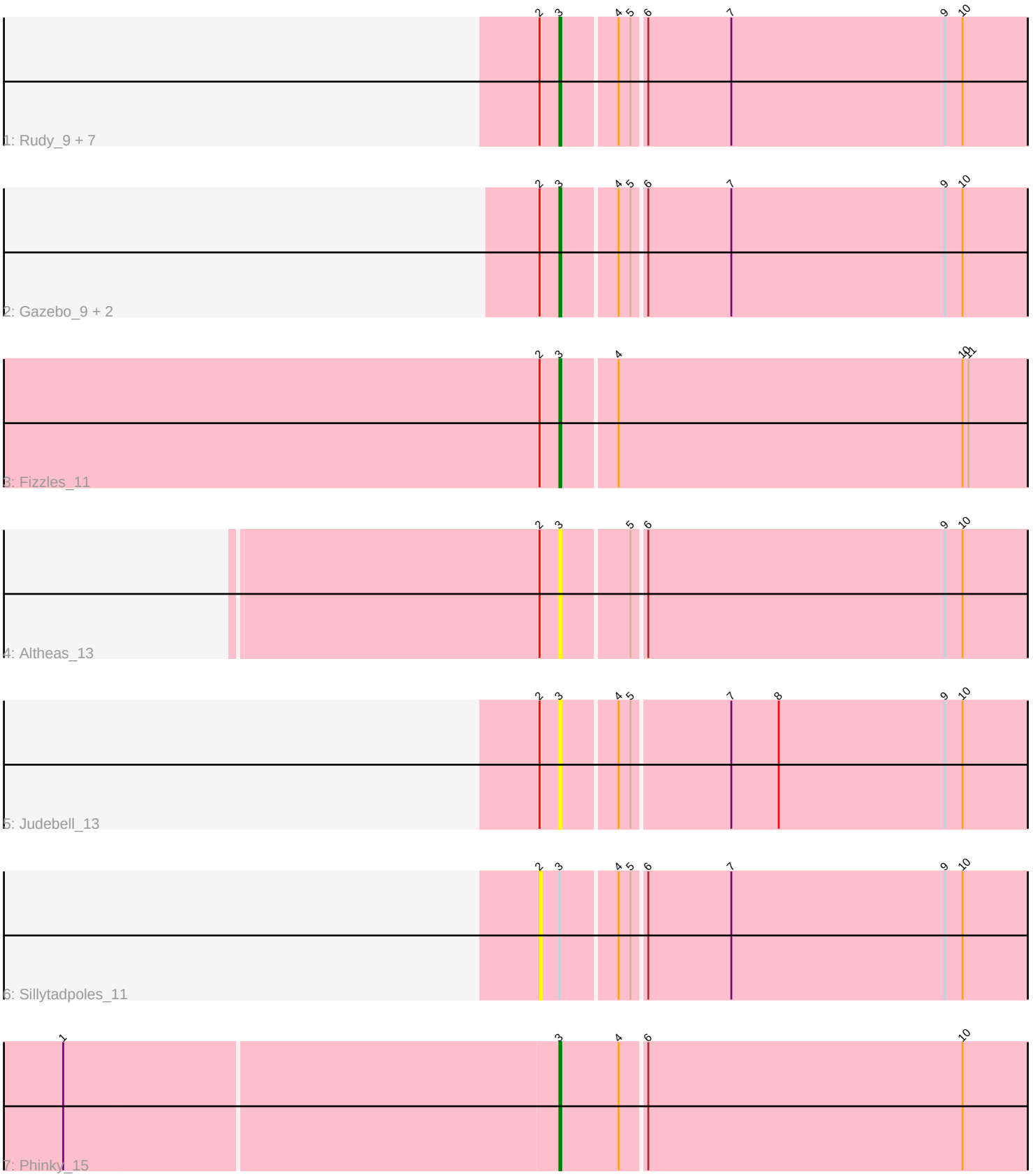
Pham 5787


2
3
4
5
6
7
9
10
1: Rudy_9 + 7
2
3
4
5
6
7
9
10
2: Gazebo_9 + 2
2
3
4
10
11
3: Fizzles_11
2
3
5
6
9
10
4: Altheas_13
2
3
4
5
7
8
9
10
5: Judebell_13
2
3
4
5
6
7
9
10
6: Sillytadpoles_11
1
3
4
6
10
7: Phinky_15

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 5787 Report

This analysis was run 04/12/24 on database version 558.

Pham number 5787 has 16 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Rudy_9, Llemily_11, Quammi_9, Lonelysoil_10, Zhafia_14, Namago_11, Viceroy_10, Phabia_11
• Track 2 : Gazebo_9, SallyK_12, StrawberryJamm_13
• Track 3 : Fizzles_11
• Track 4 : Altheas_13
• Track 5 : Judebell_13
• Track 6 : Sillytadpoles_11
• Track 7 : Phinky_15

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

The start number called the most often in the published annotations is 3, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Altheas_13, Fizzles_11, Gazebo_9, Judebell_13, Llemily_11, Lonelysoil_10, Namago_11, Phabia_11, Phinky_15, Quammi_9, Rudy_9, SallyK_12, StrawberryJamm_13, Viceroy_10, Zhafia_14,

Genes that have the "Most Annotated" start but do not call it:
• Sillytadpoles_11,

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

Summary by start number:

Start 2:
• Found in 15 of 16 (93.8%) of genes in pham
• No Manual Annotations of this start.
• Called 6.7% of time when present
• Phage (with cluster) where this start called: Sillytadpoles_11 (EG),

Start 3:

• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 93.8% of time when present
• Phage (with cluster) where this start called: Altheas_13 (EG), Fizzles_11 (EG), Gazebo_9 (EG), Judebell_13 (EG), Llemily_11 (EG), Lonelysoil_10 (EG), Namago_11 (EG), Phabia_11 (EG), Phinky_15 (EG), Quammi_9 (EG), Rudy_9 (EG), SallyK_12 (EG), StrawberryJamm_13 (EG), Viceroy_10 (EG), Zhafia_14 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 3 was manually annotated 11 times for cluster EG.

Gene Information:

Gene: Altheas_13 Start: 4571, Stop: 4329, Start Num: 3
Candidate Starts for Altheas_13:
(2, 4580), (Start: 3 @4571 has 11 MA's), (5, 4538), (6, 4532), (9, 4382), (10, 4373),

Gene: Fizzles_11 Start: 3933, Stop: 3688, Start Num: 3
Candidate Starts for Fizzles_11:
(2, 3942), (Start: 3 @3933 has 11 MA's), (4, 3906), (10, 3732), (11, 3729),

Gene: Gazebo_9 Start: 3777, Stop: 3535, Start Num: 3
Candidate Starts for Gazebo_9:
(2, 3786), (Start: 3 @3777 has 11 MA's), (4, 3750), (5, 3744), (6, 3738), (7, 3696), (9, 3588), (10, 3579),

Gene: Judebell_13 Start: 4339, Stop: 4097, Start Num: 3
Candidate Starts for Judebell_13:
(2, 4348), (Start: 3 @4339 has 11 MA's), (4, 4312), (5, 4306), (7, 4258), (8, 4234), (9, 4150), (10, 4141),

Gene: Llemily_11 Start: 3589, Stop: 3347, Start Num: 3
Candidate Starts for Llemily_11:
(2, 3598), (Start: 3 @3589 has 11 MA's), (4, 3562), (5, 3556), (6, 3550), (7, 3508), (9, 3400), (10, 3391),

Gene: Lonelysoil_10 Start: 3834, Stop: 3592, Start Num: 3
Candidate Starts for Lonelysoil_10:
(2, 3843), (Start: 3 @3834 has 11 MA's), (4, 3807), (5, 3801), (6, 3795), (7, 3753), (9, 3645), (10, 3636),

Gene: Namago_11 Start: 3646, Stop: 3404, Start Num: 3
Candidate Starts for Namago_11:
(2, 3655), (Start: 3 @3646 has 11 MA's), (4, 3619), (5, 3613), (6, 3607), (7, 3565), (9, 3457), (10, 3448),

Gene: Phabia_11 Start: 4004, Stop: 3762, Start Num: 3

Candidate Starts for Phabia_11:
(2, 4013), (Start: 3 @4004 has 11 MA's), (4, 3977), (5, 3971), (6, 3965), (7, 3923), (9, 3815), (10, 3806),

Gene: Phinky_15 Start: 4276, Stop: 4031, Start Num: 3
Candidate Starts for Phinky_15:
(1, 4522), (Start: 3 @4276 has 11 MA's), (4, 4246), (6, 4234), (10, 4075),

Gene: Quammi_9 Start: 3578, Stop: 3336, Start Num: 3
Candidate Starts for Quammi_9:
(2, 3587), (Start: 3 @3578 has 11 MA's), (4, 3551), (5, 3545), (6, 3539), (7, 3497), (9, 3389), (10, 3380),

Gene: Rudy_9 Start: 3578, Stop: 3336, Start Num: 3
Candidate Starts for Rudy_9:
(2, 3587), (Start: 3 @3578 has 11 MA's), (4, 3551), (5, 3545), (6, 3539), (7, 3497), (9, 3389), (10, 3380),

Gene: SallyK_12 Start: 4739, Stop: 4497, Start Num: 3
Candidate Starts for SallyK_12:
(2, 4748), (Start: 3 @4739 has 11 MA's), (4, 4712), (5, 4706), (6, 4700), (7, 4658), (9, 4550), (10, 4541),

Gene: Sillytadpoles_11 Start: 3585, Stop: 3334, Start Num: 2
Candidate Starts for Sillytadpoles_11:
(2, 3585), (Start: 3 @3576 has 11 MA's), (4, 3549), (5, 3543), (6, 3537), (7, 3495), (9, 3387), (10, 3378),

Gene: StrawberryJamm_13 Start: 3881, Stop: 3639, Start Num: 3
Candidate Starts for StrawberryJamm_13:
(2, 3890), (Start: 3 @3881 has 11 MA's), (4, 3854), (5, 3848), (6, 3842), (7, 3800), (9, 3692), (10, 3683),

Gene: Viceroy_10 Start: 3578, Stop: 3336, Start Num: 3
Candidate Starts for Viceroy_10:
(2, 3587), (Start: 3 @3578 has 11 MA's), (4, 3551), (5, 3545), (6, 3539), (7, 3497), (9, 3389), (10, 3380),

Gene: Zhafia_14 Start: 4316, Stop: 4074, Start Num: 3
Candidate Starts for Zhafia_14:
(2, 4325), (Start: 3 @4316 has 11 MA's), (4, 4289), (5, 4283), (6, 4277), (7, 4235), (9, 4127), (10, 4118),