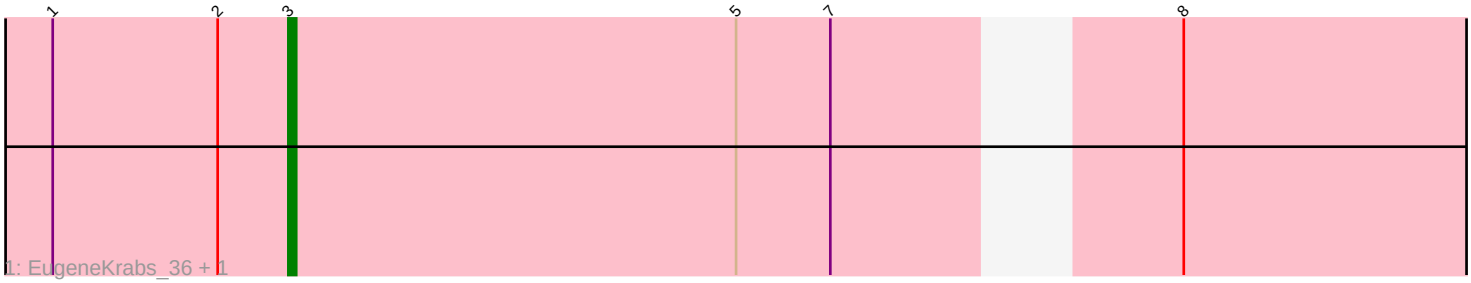
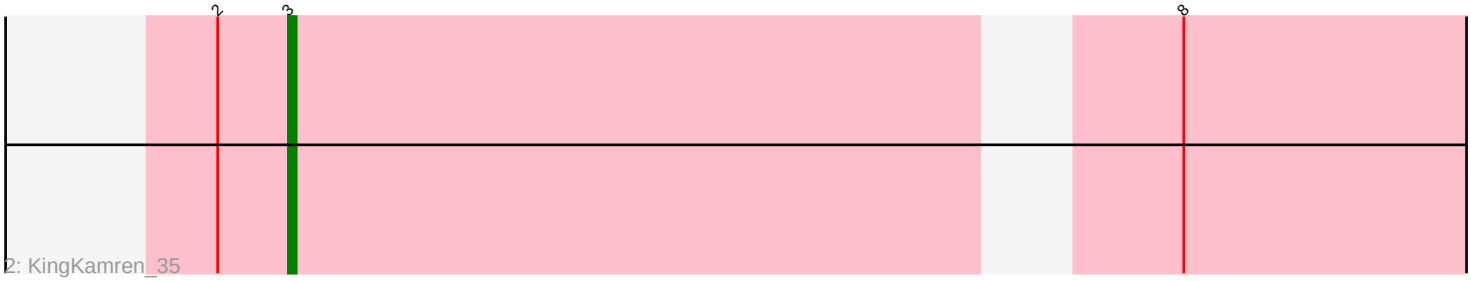
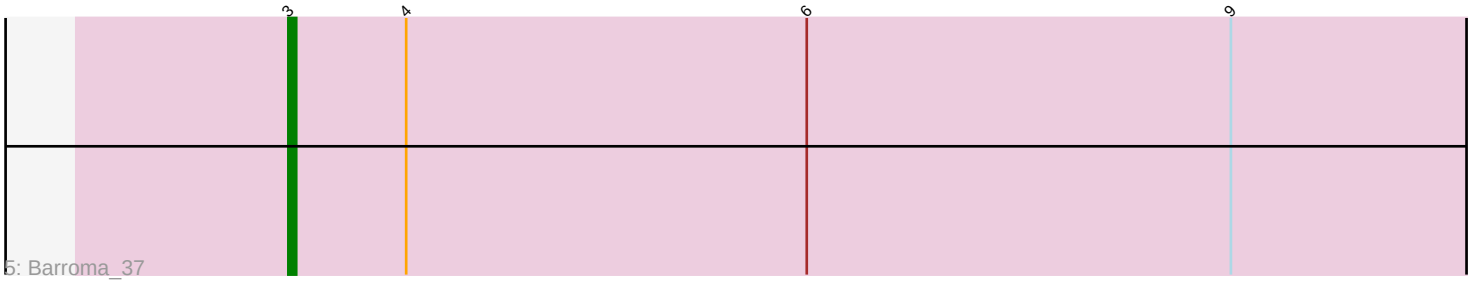
Pham 200629


1
2
3
5
7
8
1: EugeneKrabs_36 + 1


2
3
8
2: KingKamren_35


3
9
3: Phractured_38 + 8


3
4
9
4: Akoni_38 + 6


3
4
6
9
5: Barroma_37

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 200629 Report

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

Pham number 200629 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : EugeneKrabs_36, Zhengyi_36
• Track 2 : KingKamren_35
• Track 3 : Phractured_38, Mazun_39, Pharky_38, PhriedRice_39, RicoCaldo_38, Phedro_38, Fullmetal_38, Moleficent_38, StagePhright_38
• Track 4 : Akoni_38, JordanFarm_40, Ashton_39, AloeVera_39, ShyRosie_40, Waterlily_41, Truong_38
• Track 5 : Barroma_37

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 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akoni_38, AloeVera_39, Ashton_39, Barroma_37, EugeneKrabs_36, Fullmetal_38, JordanFarm_40, KingKamren_35, Mazun_39, Moleficent_38, Pharky_38, Phedro_38, Phractured_38, PhriedRice_39, RicoCaldo_38, ShyRosie_40, StagePhright_38, Truong_38, Waterlily_41, Zhengyi_36,

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

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

Summary by start number:

Start 3:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Akoni_38 (EK2), AloeVera_39 (EK2), Ashton_39 (EK2), Barroma_37 (EK2), EugeneKrabs_36 (EK), Fullmetal_38 (EK2), JordanFarm_40 (EK2), KingKamren_35 (EK), Mazun_39 (EK2), Moleficent_38 (EK2),

Pharky_38 (EK2), Phedro_38 (EK2), Phractured_38 (EK2), PhriedRice_39 (EK2), RicoCaldo_38 (EK2), ShyRosie_40 (EK2), StagePhright_38 (EK2), Truong_38 (EK2), Waterlily_41 (EK2), Zhengyi_36 (EK),

Summary by clusters:

There are 2 clusters represented in this pham: EK2, EK,

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

Info for manual annotations of cluster EK2:
•Start number 3 was manually annotated 15 times for cluster EK2.

Gene Information:

Gene: Akoni_38 Start: 40262, Stop: 40432, Start Num: 3
Candidate Starts for Akoni_38:
(Start: 3 @40262 has 18 MA's), (4, 40277), (9, 40382),

Gene: AloeVera_39 Start: 40476, Stop: 40646, Start Num: 3
Candidate Starts for AloeVera_39:
(Start: 3 @40476 has 18 MA's), (4, 40491), (9, 40596),

Gene: Ashton_39 Start: 40475, Stop: 40645, Start Num: 3
Candidate Starts for Ashton_39:
(Start: 3 @40475 has 18 MA's), (4, 40490), (9, 40595),

Gene: Barroma_37 Start: 40264, Stop: 40434, Start Num: 3
Candidate Starts for Barroma_37:
(Start: 3 @40264 has 18 MA's), (4, 40279), (6, 40330), (9, 40384),

Gene: EugeneKrabs_36 Start: 40817, Stop: 40966, Start Num: 3
Candidate Starts for EugeneKrabs_36:
(1, 40787), (2, 40808), (Start: 3 @40817 has 18 MA's), (5, 40874), (7, 40886), (8, 40919),

Gene: Fullmetal_38 Start: 40401, Stop: 40571, Start Num: 3
Candidate Starts for Fullmetal_38:
(Start: 3 @40401 has 18 MA's), (9, 40521),

Gene: JordanFarm_40 Start: 40476, Stop: 40646, Start Num: 3
Candidate Starts for JordanFarm_40:
(Start: 3 @40476 has 18 MA's), (4, 40491), (9, 40596),

Gene: KingKamren_35 Start: 40775, Stop: 40924, Start Num: 3
Candidate Starts for KingKamren_35:
(2, 40766), (Start: 3 @40775 has 18 MA's), (8, 40877),

Gene: Mazun_39 Start: 40723, Stop: 40893, Start Num: 3
Candidate Starts for Mazun_39:
(Start: 3 @40723 has 18 MA's), (9, 40843),

Gene: Moleficent_38 Start: 40408, Stop: 40578, Start Num: 3
Candidate Starts for Moleficent_38:
(Start: 3 @40408 has 18 MA's), (9, 40528),

Gene: Pharky_38 Start: 40404, Stop: 40574, Start Num: 3
Candidate Starts for Pharky_38:
(Start: 3 @40404 has 18 MA's), (9, 40524),

Gene: Phedro_38 Start: 40404, Stop: 40574, Start Num: 3
Candidate Starts for Phedro_38:
(Start: 3 @40404 has 18 MA's), (9, 40524),

Gene: Phractured_38 Start: 40404, Stop: 40574, Start Num: 3
Candidate Starts for Phractured_38:
(Start: 3 @40404 has 18 MA's), (9, 40524),

Gene: PhriedRice_39 Start: 40508, Stop: 40678, Start Num: 3
Candidate Starts for PhriedRice_39:
(Start: 3 @40508 has 18 MA's), (9, 40628),

Gene: RicoCaldo_38 Start: 40486, Stop: 40656, Start Num: 3
Candidate Starts for RicoCaldo_38:
(Start: 3 @40486 has 18 MA's), (9, 40606),

Gene: ShyRosie_40 Start: 40484, Stop: 40654, Start Num: 3
Candidate Starts for ShyRosie_40:
(Start: 3 @40484 has 18 MA's), (4, 40499), (9, 40604),

Gene: StagePhright_38 Start: 40404, Stop: 40574, Start Num: 3
Candidate Starts for StagePhright_38:
(Start: 3 @40404 has 18 MA's), (9, 40524),

Gene: Truong_38 Start: 40264, Stop: 40434, Start Num: 3
Candidate Starts for Truong_38:
(Start: 3 @40264 has 18 MA's), (4, 40279), (9, 40384),

Gene: Waterlily_41 Start: 40518, Stop: 40688, Start Num: 3
Candidate Starts for Waterlily_41:
(Start: 3 @40518 has 18 MA's), (4, 40533), (9, 40638),

Gene: Zhengyi_36 Start: 40866, Stop: 41015, Start Num: 3
Candidate Starts for Zhengyi_36:
(1, 40836), (2, 40857), (Start: 3 @40866 has 18 MA's), (5, 40923), (7, 40935), (8, 40968),