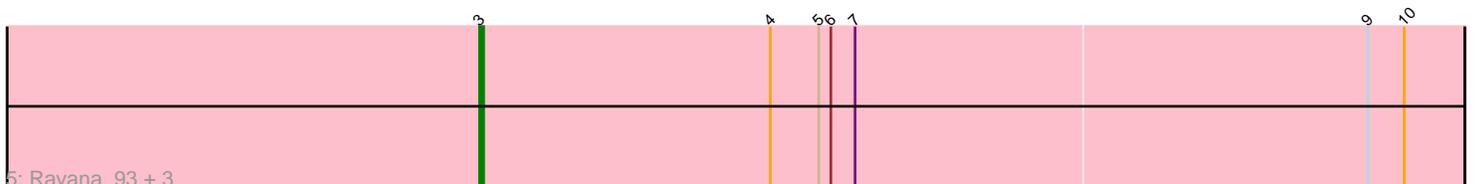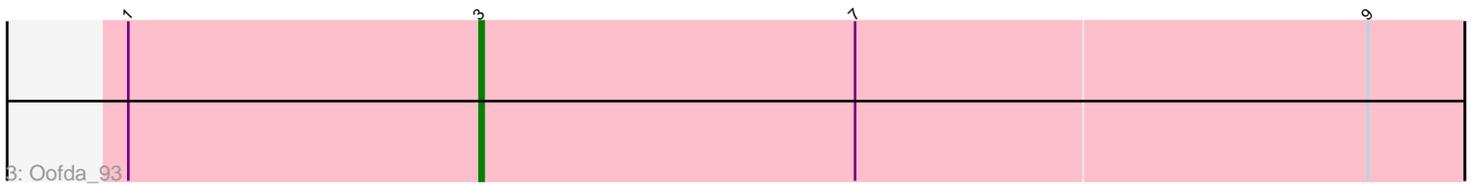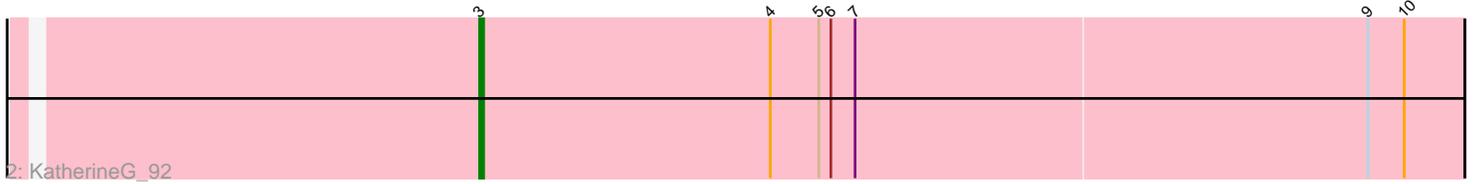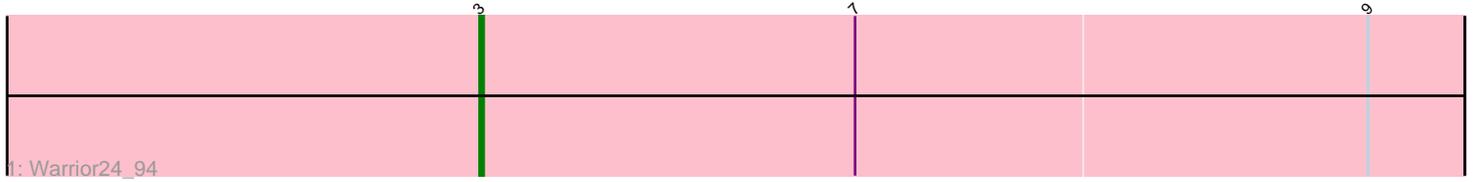# Pham 284153

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 284153 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284153 has 23 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Warrior24_94
• Track 2 : KatherineG_92
• Track 3 : Oofda_93
• Track 4 : Strosahl_94, JSwag_94, Remus_94, Epsocamisio_91
• Track 5 : Ravana_93, Battleship_96, MinecraftSteve_94, DekHockey33_95
• Track 6 : Boohoo_92, LastResort_91, Nebulosus_90, Waits_93, Anaysia_93
• Track 7 : ShayRa_91, Soups_93, Looper_90, ReMo_91, Switzerland_91, Rosalind_92
• Track 8 : Nedarya_91

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 21 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anaysia_93, Battleship_96, Boohoo_92, DekHockey33_95, Epsocamisio_91, JSwag_94, KatherineG_92, LastResort_91, Looper_90, MinecraftSteve_94, Nebulosus_90, Oofda_93, Ravana_93, ReMo_91, Remus_94, Rosalind_92, ShayRa_91, Soups_93, Strosahl_94, Switzerland_91, Waits_93, Warrior24_94,

Genes that have the "Most Annotated" start but do not call it:
• Nedarya_91,

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

Summary by start number:

Start 2:
• Found in 1 of 23 (4.3%) of genes in pham
• Manual Annotations of this start: 1 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nedarya_91 (A15),

Start 3:
• Found in 23 of 23 (100.0%) of genes in pham
• Manual Annotations of this start: 21 of 22
• Called 95.7% of time when present
• Phage (with cluster) where this start called: Anaysia_93 (A15), Battleship_96 (A15), Boohoo_92 (A15), DekHockey33_95 (A15), Epsocamisio_91 (A15), JSwag_94 (A15), KatherineG_92 (A15), LastResort_91 (A15), Looper_90 (A15), MinecraftSteve_94 (A15), Nebulosus_90 (A15), Oofda_93 (A15), Ravana_93 (A15), ReMo_91 (A15), Remus_94 (A15), Rosalind_92 (A15), ShayRa_91 (A15), Soups_93 (A15), Strosahl_94 (A15), Switzerland_91 (A15), Waits_93 (A15), Warrior24_94 (A15),

Summary by clusters:

There is one cluster represented in this pham: A15

Info for manual annotations of cluster A15:
•Start number 2 was manually annotated 1 time for cluster A15.
•Start number 3 was manually annotated 21 times for cluster A15.

Gene Information:

Gene: Anaysia_93 Start: 48754, Stop: 48512, Start Num: 3
Candidate Starts for Anaysia_93:
(Start: 3 @48754 has 21 MA's), (4, 48682), (5, 48670), (6, 48667), (7, 48661), (9, 48535),

Gene: Battleship_96 Start: 48740, Stop: 48498, Start Num: 3
Candidate Starts for Battleship_96:
(Start: 3 @48740 has 21 MA's), (4, 48668), (5, 48656), (6, 48653), (7, 48647), (9, 48521), (10, 48512),

Gene: Boohoo_92 Start: 48071, Stop: 47829, Start Num: 3
Candidate Starts for Boohoo_92:
(Start: 3 @48071 has 21 MA's), (4, 47999), (5, 47987), (6, 47984), (7, 47978), (9, 47852),

Gene: DekHockey33_95 Start: 48825, Stop: 48583, Start Num: 3
Candidate Starts for DekHockey33_95:
(Start: 3 @48825 has 21 MA's), (4, 48753), (5, 48741), (6, 48738), (7, 48732), (9, 48606), (10, 48597),

Gene: Epsocamisio_91 Start: 48421, Stop: 48179, Start Num: 3
Candidate Starts for Epsocamisio_91:
(Start: 3 @48421 has 21 MA's), (4, 48349), (5, 48337), (6, 48334), (7, 48328), (9, 48202),

Gene: JSwag_94 Start: 48269, Stop: 48027, Start Num: 3
Candidate Starts for JSwag_94:
(Start: 3 @48269 has 21 MA's), (4, 48197), (5, 48185), (6, 48182), (7, 48176), (9, 48050),

Gene: KatherineG_92 Start: 48409, Stop: 48167, Start Num: 3
Candidate Starts for KatherineG_92:
(Start: 3 @48409 has 21 MA's), (4, 48337), (5, 48325), (6, 48322), (7, 48316), (9, 48190), (10, 48181),

Gene: LastResort_91 Start: 48512, Stop: 48270, Start Num: 3

Candidate Starts for LastResort_91:
(Start: 3 @48512 has 21 MA's), (4, 48440), (5, 48428), (6, 48425), (7, 48419), (9, 48293),

Gene: Looper_90 Start: 47361, Stop: 47119, Start Num: 3
Candidate Starts for Looper_90:
(Start: 3 @47361 has 21 MA's), (4, 47289), (5, 47277), (6, 47274), (7, 47268), (9, 47142), (11, 47130),

Gene: MinecraftSteve_94 Start: 48536, Stop: 48294, Start Num: 3
Candidate Starts for MinecraftSteve_94:
(Start: 3 @48536 has 21 MA's), (4, 48464), (5, 48452), (6, 48449), (7, 48443), (9, 48317), (10, 48308),

Gene: Nebulosus_90 Start: 48069, Stop: 47827, Start Num: 3
Candidate Starts for Nebulosus_90:
(Start: 3 @48069 has 21 MA's), (4, 47997), (5, 47985), (6, 47982), (7, 47976), (9, 47850),

Gene: Nedarya_91 Start: 48955, Stop: 48707, Start Num: 2
Candidate Starts for Nedarya_91:
(Start: 2 @48955 has 1 MA's), (Start: 3 @48949 has 21 MA's), (8, 48733), (11, 48718),

Gene: Oofda_93 Start: 48798, Stop: 48556, Start Num: 3
Candidate Starts for Oofda_93:
(1, 48885), (Start: 3 @48798 has 21 MA's), (7, 48705), (9, 48579),

Gene: Ravana_93 Start: 48933, Stop: 48691, Start Num: 3
Candidate Starts for Ravana_93:
(Start: 3 @48933 has 21 MA's), (4, 48861), (5, 48849), (6, 48846), (7, 48840), (9, 48714), (10, 48705),

Gene: ReMo_91 Start: 48495, Stop: 48253, Start Num: 3
Candidate Starts for ReMo_91:
(Start: 3 @48495 has 21 MA's), (4, 48423), (5, 48411), (6, 48408), (7, 48402), (9, 48276), (11, 48264),

Gene: Remus_94 Start: 48833, Stop: 48591, Start Num: 3
Candidate Starts for Remus_94:
(Start: 3 @48833 has 21 MA's), (4, 48761), (5, 48749), (6, 48746), (7, 48740), (9, 48614),

Gene: Rosalind_92 Start: 48173, Stop: 47931, Start Num: 3
Candidate Starts for Rosalind_92:
(Start: 3 @48173 has 21 MA's), (4, 48101), (5, 48089), (6, 48086), (7, 48080), (9, 47954), (11, 47942),

Gene: ShayRa_91 Start: 47127, Stop: 46885, Start Num: 3
Candidate Starts for ShayRa_91:
(Start: 3 @47127 has 21 MA's), (4, 47055), (5, 47043), (6, 47040), (7, 47034), (9, 46908), (11, 46896),

Gene: Soups_93 Start: 48650, Stop: 48408, Start Num: 3
Candidate Starts for Soups_93:
(Start: 3 @48650 has 21 MA's), (4, 48578), (5, 48566), (6, 48563), (7, 48557), (9, 48431), (11, 48419),

Gene: Strosahl_94 Start: 48833, Stop: 48591, Start Num: 3
Candidate Starts for Strosahl_94:
(Start: 3 @48833 has 21 MA's), (4, 48761), (5, 48749), (6, 48746), (7, 48740), (9, 48614),

Gene: Switzerland_91 Start: 48096, Stop: 47854, Start Num: 3
Candidate Starts for Switzerland_91:

(Start: 3 @48096 has 21 MA's), (4, 48024), (5, 48012), (6, 48009), (7, 48003), (9, 47877), (11, 47865),

Gene: Waits_93 Start: 48464, Stop: 48222, Start Num: 3
Candidate Starts for Waits_93:
(Start: 3 @48464 has 21 MA's), (4, 48392), (5, 48380), (6, 48377), (7, 48371), (9, 48245),

Gene: Warrior24_94 Start: 49254, Stop: 49012, Start Num: 3
Candidate Starts for Warrior24_94:
(Start: 3 @49254 has 21 MA's), (7, 49161), (9, 49035),