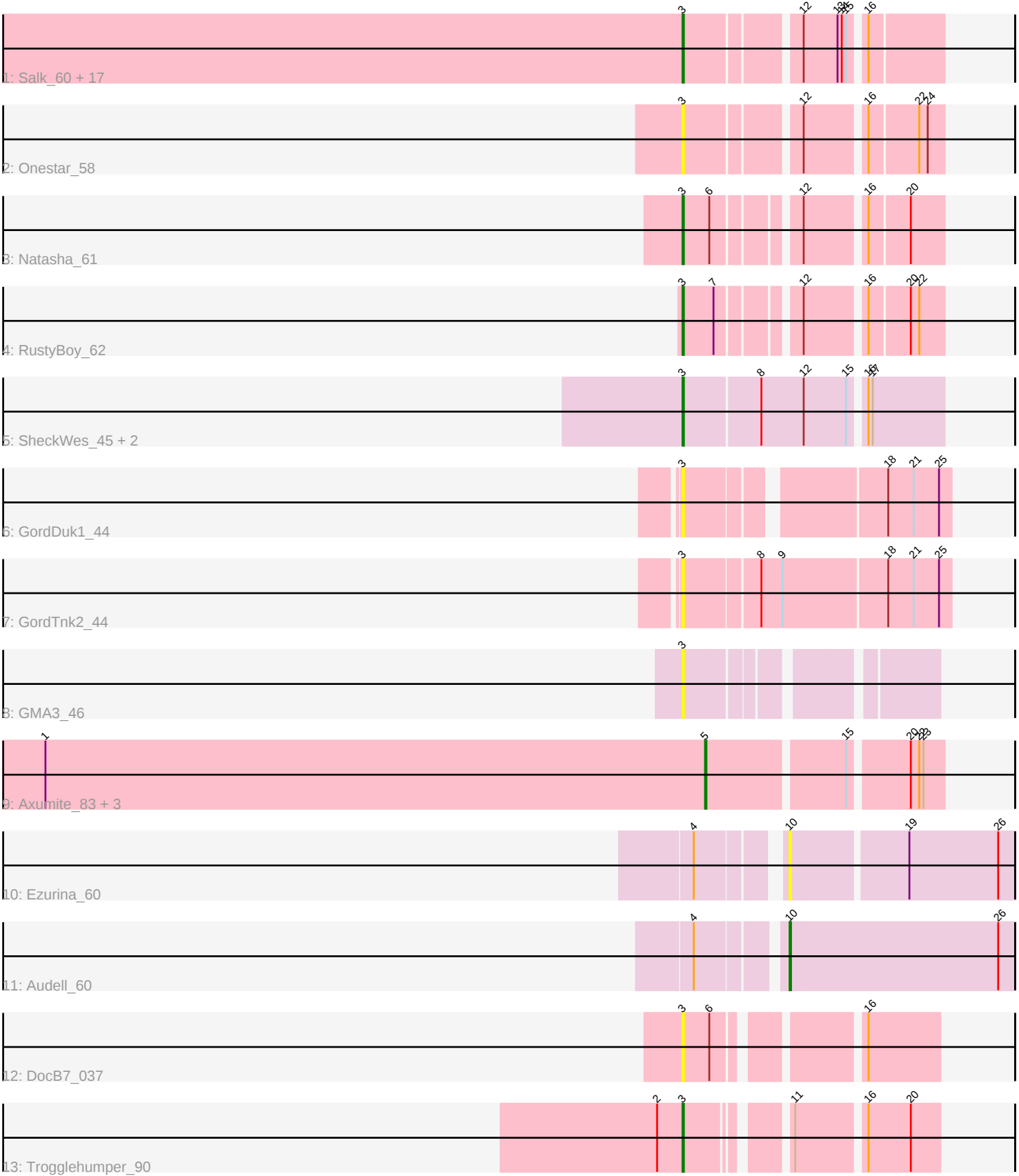




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 280662 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280662 has 35 members, 12 are drafts.

Phages represented in each track:

- Track 1 : Salk_60, Spain_61, Boog_59, Egad_60, Stayer_60, Sloopyjoe_60, Raunak_62, DoctorPepper_59, StarLord_60, BronxBay_60, Linda_60, Michelle_60, HerbBucket_59, Djungelskog_59, Jeremy4pt0_58, MrAaronian_60, ProfFrink_60, Shiba_59
- Track 2 : Onestar_58
- Track 3 : Natasha_61
- Track 4 : RustyBoy_62
- Track 5 : SheckWes_45, ElJefes_43, McDazzle_44
- Track 6 : GordDuk1_44
- Track 7 : GordTnk2_44
- Track 8 : GMA3_46
- Track 9 : Axumite_83, Shatter_83, Fresco_83, Ligma_83
- Track 10 : Ezurina_60
- Track 11 : Audell_60
- Track 12 : DocB7_037
- Track 13 : Trogglehumper_90

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 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Boog_59, BronxBay_60, Djungelskog_59, DocB7_037, DoctorPepper_59, Egad_60, ElJefes_43, GMA3_46, GordDuk1_44, GordTnk2_44, HerbBucket_59, Jeremy4pt0_58, Linda_60, McDazzle_44, Michelle_60, MrAaronian_60, Natasha_61, Onestar_58, ProfFrink_60, Raunak_62, RustyBoy_62, Salk_60, SheckWes_45, Shiba_59, Sloopyjoe_60, Spain_61, StarLord_60, Stayer_60, Trogglehumper_90,

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

-

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

- Audell_60, Axumite_83, Ezurina_60, Fresco_83, Ligma_83, Shatter_83,

Summary by start number:

Start 3:

- Found in 29 of 35 (82.9%) of genes in pham
- Manual Annotations of this start: 18 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boog_59 (AW), BronxBay_60 (AW), Djungelskog_59 (AW), DocB7_037 (singleton), DoctorPepper_59 (AW), Egad_60 (AW), ElJefes_43 (CT), GMA3_46 (DF2), GordDuk1_44 (DF1), GordTnk2_44 (DF1), HerbBucket_59 (AW), Jeremy4pt0_58 (AW), Linda_60 (AW), McDazzle_44 (CT), Michelle_60 (AW), MrAaronian_60 (AW), Natasha_61 (AW), Onestar_58 (AW), ProfFrink_60 (AW), Raunak_62 (AW), RustyBoy_62 (AW), Salk_60 (AW), SheckWes_45 (CT), Shiba_59 (AW), Sloopyjoe_60 (AW), Spain_61 (AW), StarLord_60 (AW), Stayer_60 (AW), Trogglehumper_90 (singleton),

Start 5:

- Found in 4 of 35 (11.4%) of genes in pham
- Manual Annotations of this start: 4 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Axumite_83 (DR), Fresco_83 (DR), Ligma_83 (DR), Shatter_83 (DR),

Start 10:

- Found in 2 of 35 (5.7%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Audell_60 (FR), Ezurina_60 (FR),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, DF1, FR, DF2, AW, DR, CT,

Info for manual annotations of cluster AW:

- Start number 3 was manually annotated 16 times for cluster AW.

Info for manual annotations of cluster CT:

- Start number 3 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster DR:

- Start number 5 was manually annotated 4 times for cluster DR.

Info for manual annotations of cluster FR:

- Start number 10 was manually annotated 1 time for cluster FR.

Gene Information:

Gene: Audell_60 Start: 38775, Stop: 38617, Start Num: 10

Candidate Starts for Audell_60:

(4, 38829), (Start: 10 @38775 has 1 MA's), (26, 38628),

Gene: Axumite_83 Start: 60379, Stop: 60224, Start Num: 5

Candidate Starts for Axumite_83:

(1, 60847), (Start: 5 @60379 has 4 MA's), (15, 60286), (20, 60247), (22, 60241), (23, 60238),

Gene: Boog_59 Start: 40730, Stop: 40891, Start Num: 3

Candidate Starts for Boog_59:

(Start: 3 @40730 has 18 MA's), (12, 40802), (13, 40826), (14, 40829), (15, 40832), (16, 40841),

Gene: BronxBay_60 Start: 40986, Stop: 41147, Start Num: 3

Candidate Starts for BronxBay_60:

(Start: 3 @40986 has 18 MA's), (12, 41058), (13, 41082), (14, 41085), (15, 41088), (16, 41097),

Gene: Djungelskog_59 Start: 40985, Stop: 41146, Start Num: 3

Candidate Starts for Djungelskog_59:

(Start: 3 @40985 has 18 MA's), (12, 41057), (13, 41081), (14, 41084), (15, 41087), (16, 41096),

Gene: DocB7_037 Start: 37679, Stop: 37524, Start Num: 3

Candidate Starts for DocB7_037:

(Start: 3 @37679 has 18 MA's), (6, 37661), (16, 37574),

Gene: DoctorPepper_59 Start: 40690, Stop: 40851, Start Num: 3

Candidate Starts for DoctorPepper_59:

(Start: 3 @40690 has 18 MA's), (12, 40762), (13, 40786), (14, 40789), (15, 40792), (16, 40801),

Gene: Egad_60 Start: 40987, Stop: 41148, Start Num: 3

Candidate Starts for Egad_60:

(Start: 3 @40987 has 18 MA's), (12, 41059), (13, 41083), (14, 41086), (15, 41089), (16, 41098),

Gene: ElJefes_43 Start: 30713, Stop: 30540, Start Num: 3

Candidate Starts for ElJefes_43:

(Start: 3 @30713 has 18 MA's), (8, 30662), (12, 30632), (15, 30602), (16, 30593), (17, 30590),

Gene: Ezurina_60 Start: 36586, Stop: 36434, Start Num: 10

Candidate Starts for Ezurina_60:

(4, 36637), (Start: 10 @36586 has 1 MA's), (19, 36508), (26, 36445),

Gene: Fresco_83 Start: 60385, Stop: 60230, Start Num: 5

Candidate Starts for Fresco_83:

(1, 60853), (Start: 5 @60385 has 4 MA's), (15, 60292), (20, 60253), (22, 60247), (23, 60244),

Gene: GMA3_46 Start: 44762, Stop: 44610, Start Num: 3

Candidate Starts for GMA3_46:

(Start: 3 @44762 has 18 MA's),

Gene: GordDuk1_44 Start: 42833, Stop: 42663, Start Num: 3

Candidate Starts for GordDuk1_44:

(Start: 3 @42833 has 18 MA's), (18, 42707), (21, 42689), (25, 42671),

Gene: GordTnk2_44 Start: 42811, Stop: 42629, Start Num: 3

Candidate Starts for GordTnk2_44:

(Start: 3 @42811 has 18 MA's), (8, 42760), (9, 42745), (18, 42673), (21, 42655), (25, 42637),

Gene: HerbBucket_59 Start: 40727, Stop: 40888, Start Num: 3
Candidate Starts for HerbBucket_59:
(Start: 3 @40727 has 18 MA's), (12, 40799), (13, 40823), (14, 40826), (15, 40829), (16, 40838),

Gene: Jeremy4pt0_58 Start: 40685, Stop: 40846, Start Num: 3
Candidate Starts for Jeremy4pt0_58:
(Start: 3 @40685 has 18 MA's), (12, 40757), (13, 40781), (14, 40784), (15, 40787), (16, 40796),

Gene: Ligma_83 Start: 60379, Stop: 60224, Start Num: 5
Candidate Starts for Ligma_83:
(1, 60847), (Start: 5 @60379 has 4 MA's), (15, 60286), (20, 60247), (22, 60241), (23, 60238),

Gene: Linda_60 Start: 40983, Stop: 41144, Start Num: 3
Candidate Starts for Linda_60:
(Start: 3 @40983 has 18 MA's), (12, 41055), (13, 41079), (14, 41082), (15, 41085), (16, 41094),

Gene: McDazzle_44 Start: 30707, Stop: 30534, Start Num: 3
Candidate Starts for McDazzle_44:
(Start: 3 @30707 has 18 MA's), (8, 30656), (12, 30626), (15, 30596), (16, 30587), (17, 30584),

Gene: Michelle_60 Start: 40985, Stop: 41146, Start Num: 3
Candidate Starts for Michelle_60:
(Start: 3 @40985 has 18 MA's), (12, 41057), (13, 41081), (14, 41084), (15, 41087), (16, 41096),

Gene: MrAaronian_60 Start: 40985, Stop: 41146, Start Num: 3
Candidate Starts for MrAaronian_60:
(Start: 3 @40985 has 18 MA's), (12, 41057), (13, 41081), (14, 41084), (15, 41087), (16, 41096),

Gene: Natasha_61 Start: 40720, Stop: 40878, Start Num: 3
Candidate Starts for Natasha_61:
(Start: 3 @40720 has 18 MA's), (6, 40738), (12, 40789), (16, 40828), (20, 40855),

Gene: Onestar_58 Start: 40746, Stop: 40907, Start Num: 3
Candidate Starts for Onestar_58:
(Start: 3 @40746 has 18 MA's), (12, 40818), (16, 40857), (22, 40890), (24, 40896),

Gene: ProfFrink_60 Start: 40986, Stop: 41147, Start Num: 3
Candidate Starts for ProfFrink_60:
(Start: 3 @40986 has 18 MA's), (12, 41058), (13, 41082), (14, 41085), (15, 41088), (16, 41097),

Gene: Raunak_62 Start: 40683, Stop: 40844, Start Num: 3
Candidate Starts for Raunak_62:
(Start: 3 @40683 has 18 MA's), (12, 40755), (13, 40779), (14, 40782), (15, 40785), (16, 40794),

Gene: RustyBoy_62 Start: 40919, Stop: 41077, Start Num: 3
Candidate Starts for RustyBoy_62:
(Start: 3 @40919 has 18 MA's), (7, 40940), (12, 40988), (16, 41027), (20, 41054), (22, 41060),

Gene: Salk_60 Start: 40983, Stop: 41144, Start Num: 3
Candidate Starts for Salk_60:
(Start: 3 @40983 has 18 MA's), (12, 41055), (13, 41079), (14, 41082), (15, 41085), (16, 41094),

Gene: Shatter_83 Start: 60379, Stop: 60224, Start Num: 5

Candidate Starts for Shatter_83:

(1, 60847), (Start: 5 @60379 has 4 MA's), (15, 60286), (20, 60247), (22, 60241), (23, 60238),

Gene: SheckWes_45 Start: 30252, Stop: 30079, Start Num: 3

Candidate Starts for SheckWes_45:

(Start: 3 @30252 has 18 MA's), (8, 30201), (12, 30171), (15, 30141), (16, 30132), (17, 30129),

Gene: Shiba_59 Start: 40683, Stop: 40844, Start Num: 3

Candidate Starts for Shiba_59:

(Start: 3 @40683 has 18 MA's), (12, 40755), (13, 40779), (14, 40782), (15, 40785), (16, 40794),

Gene: Sloopyjoe_60 Start: 40987, Stop: 41148, Start Num: 3

Candidate Starts for Sloopyjoe_60:

(Start: 3 @40987 has 18 MA's), (12, 41059), (13, 41083), (14, 41086), (15, 41089), (16, 41098),

Gene: Spain_61 Start: 40985, Stop: 41146, Start Num: 3

Candidate Starts for Spain_61:

(Start: 3 @40985 has 18 MA's), (12, 41057), (13, 41081), (14, 41084), (15, 41087), (16, 41096),

Gene: StarLord_60 Start: 40986, Stop: 41147, Start Num: 3

Candidate Starts for StarLord_60:

(Start: 3 @40986 has 18 MA's), (12, 41058), (13, 41082), (14, 41085), (15, 41088), (16, 41097),

Gene: Stayer_60 Start: 40983, Stop: 41144, Start Num: 3

Candidate Starts for Stayer_60:

(Start: 3 @40983 has 18 MA's), (12, 41055), (13, 41079), (14, 41082), (15, 41085), (16, 41094),

Gene: Trogglehumper_90 Start: 66999, Stop: 66847, Start Num: 3

Candidate Starts for Trogglehumper_90:

(2, 67017), (Start: 3 @66999 has 18 MA's), (11, 66942), (16, 66897), (20, 66867),