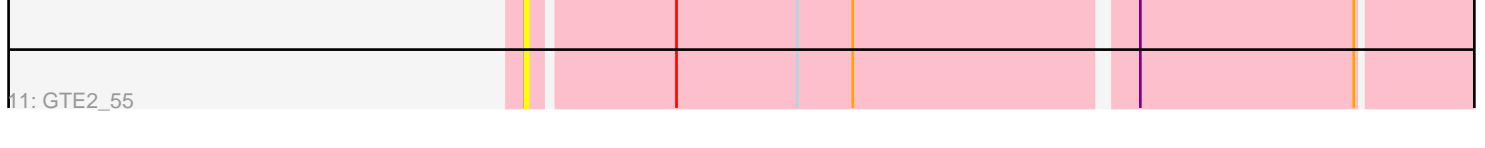
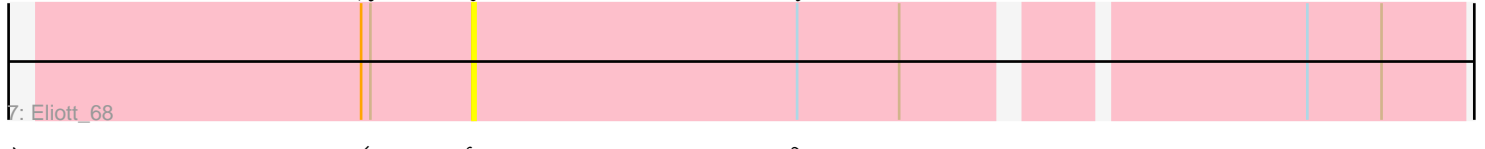
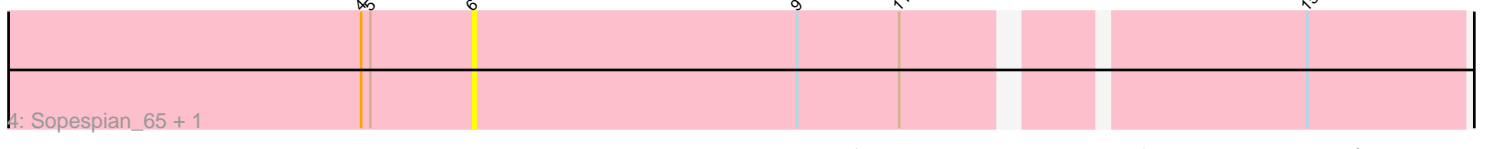
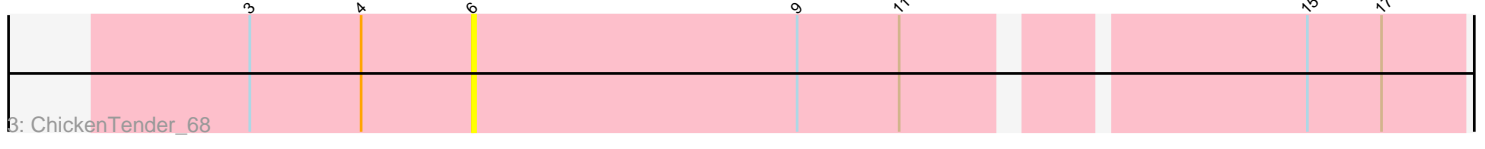
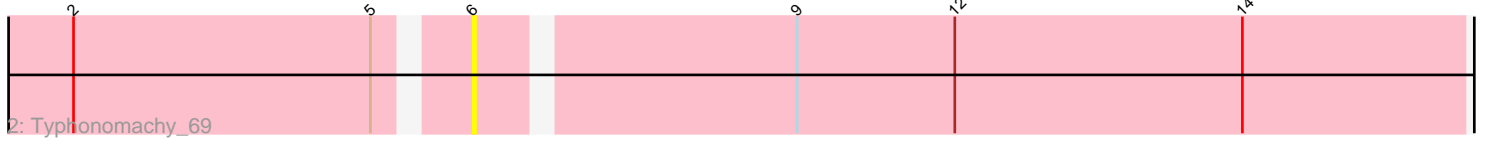
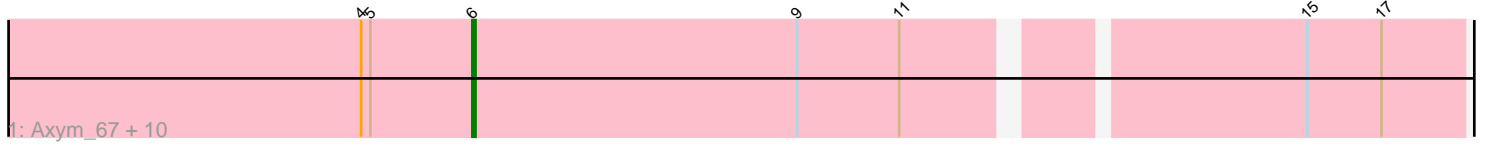


Pham 216487



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 216487 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216487 has 25 members, 13 are drafts.

Phages represented in each track:

- Track 1 : Axym_67, GoldHunter_70, Socotra_70, Carsonalex_72, Burnsey_68, Starburst_70, Quasar_69, Nina_68, Agatha_69, Cozz_68, RedBaron_74
- Track 2 : Typhonomachy_69
- Track 3 : ChickenTender_68
- Track 4 : Sopespian_65, PsychoKiller_67
- Track 5 : AndPeggy_61
- Track 6 : BillDoor_68, ChocoMunchkin_64, Tolls_67, SteamedHams_66
- Track 7 : Elliott_68
- Track 8 : MunkgeeRoachy_67
- Track 9 : Yarn_62
- Track 10 : CanesSauce_64
- Track 11 : GTE2_55

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agatha_69, Axym_67, Burnsey_68, Carsonalex_72, ChickenTender_68, Cozz_68, Elliott_68, GoldHunter_70, MunkgeeRoachy_67, Nina_68, PsychoKiller_67, Quasar_69, RedBaron_74, Socotra_70, Sopespian_65, Starburst_70, Typhonomachy_69,

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

-

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

- AndPeggy_61, BillDoor_68, CanesSauce_64, ChocoMunchkin_64, GTE2_55, SteamedHams_66, Tolls_67, Yarn_62,

Summary by start number:

Start 6:

- Found in 17 of 25 (68.0%) of genes in pham
- Manual Annotations of this start: 7 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agatha_69 (CT), Axym_67 (CT), Burnsey_68 (CT), Carsonalex_72 (CT), ChickenTender_68 (CT), Cozz_68 (CT), Elliott_68 (CT), GoldHunter_70 (CT), MunkgeeRoachy_67 (CT), Nina_68 (CT), PsychoKiller_67 (CT), Quasar_69 (CT), RedBaron_74 (CT), Socotra_70 (CT), Sopespian_65 (CT), Starburst_70 (CT), Typhonmarchy_69 (CT),

Start 7:

- Found in 8 of 25 (32.0%) of genes in pham
- Manual Annotations of this start: 5 of 12
- Called 87.5% of time when present
- Phage (with cluster) where this start called: AndPeggy_61 (CT), BillDoor_68 (CT), ChocoMunchkin_64 (CT), GTE2_55 (CT), SteamedHams_66 (CT), Tolls_67 (CT), Yarn_62 (CT),

Start 8:

- Found in 8 of 25 (32.0%) of genes in pham
- No Manual Annotations of this start.
- Called 12.5% of time when present
- Phage (with cluster) where this start called: CanesSauce_64 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:

- Start number 6 was manually annotated 7 times for cluster CT.
- Start number 7 was manually annotated 5 times for cluster CT.

Gene Information:

Gene: Agatha_69 Start: 45486, Stop: 45791, Start Num: 6

Candidate Starts for Agatha_69:

(4, 45450), (5, 45453), (Start: 6 @45486 has 7 MA's), (9, 45591), (11, 45624), (15, 45741), (17, 45765),

Gene: AndPeggy_61 Start: 43446, Stop: 43751, Start Num: 7

Candidate Starts for AndPeggy_61:

(Start: 7 @43446 has 5 MA's), (8, 43491), (9, 43530), (10, 43548), (13, 43632), (16, 43701),

Gene: Axym_67 Start: 45361, Stop: 45666, Start Num: 6

Candidate Starts for Axym_67:

(4, 45325), (5, 45328), (Start: 6 @45361 has 7 MA's), (9, 45466), (11, 45499), (15, 45616), (17, 45640),

Gene: BillDoor_68 Start: 43719, Stop: 44024, Start Num: 7

Candidate Starts for BillDoor_68:

(Start: 7 @43719 has 5 MA's), (8, 43764), (9, 43803), (10, 43821), (13, 43905), (16, 43974),

Gene: Burnsey_68 Start: 45073, Stop: 45378, Start Num: 6

Candidate Starts for Burnsey_68:

(4, 45037), (5, 45040), (Start: 6 @45073 has 7 MA's), (9, 45178), (11, 45211), (15, 45328), (17, 45352),

Gene: CanesSauce_64 Start: 43658, Stop: 43918, Start Num: 8

Candidate Starts for CanesSauce_64:

(Start: 7 @43613 has 5 MA's), (8, 43658), (9, 43697), (10, 43715), (13, 43799), (16, 43868),

Gene: Carsonalex_72 Start: 45531, Stop: 45836, Start Num: 6

Candidate Starts for Carsonalex_72:

(4, 45495), (5, 45498), (Start: 6 @45531 has 7 MA's), (9, 45636), (11, 45669), (15, 45786), (17, 45810),

Gene: ChickenTender_68 Start: 44151, Stop: 44456, Start Num: 6

Candidate Starts for ChickenTender_68:

(3, 44079), (4, 44115), (Start: 6 @44151 has 7 MA's), (9, 44256), (11, 44289), (15, 44406), (17, 44430),

Gene: ChocoMunchkin_64 Start: 43613, Stop: 43918, Start Num: 7

Candidate Starts for ChocoMunchkin_64:

(Start: 7 @43613 has 5 MA's), (8, 43658), (9, 43697), (10, 43715), (13, 43799), (16, 43868),

Gene: Cozz_68 Start: 45488, Stop: 45793, Start Num: 6

Candidate Starts for Cozz_68:

(4, 45452), (5, 45455), (Start: 6 @45488 has 7 MA's), (9, 45593), (11, 45626), (15, 45743), (17, 45767),

Gene: Elliott_68 Start: 44957, Stop: 45262, Start Num: 6

Candidate Starts for Elliott_68:

(4, 44921), (5, 44924), (Start: 6 @44957 has 7 MA's), (9, 45062), (11, 45095), (15, 45212), (17, 45236),

Gene: GTE2_55 Start: 44385, Stop: 44693, Start Num: 7

Candidate Starts for GTE2_55:

(Start: 7 @44385 has 5 MA's), (8, 44430), (9, 44469), (10, 44487), (13, 44574), (16, 44643),

Gene: GoldHunter_70 Start: 45477, Stop: 45782, Start Num: 6

Candidate Starts for GoldHunter_70:

(4, 45441), (5, 45444), (Start: 6 @45477 has 7 MA's), (9, 45582), (11, 45615), (15, 45732), (17, 45756),

Gene: MunkgeeRoachy_67 Start: 44793, Stop: 45104, Start Num: 6

Candidate Starts for MunkgeeRoachy_67:

(1, 44655), (5, 44769), (Start: 6 @44793 has 7 MA's), (9, 44889),

Gene: Nina_68 Start: 45560, Stop: 45865, Start Num: 6

Candidate Starts for Nina_68:

(4, 45524), (5, 45527), (Start: 6 @45560 has 7 MA's), (9, 45665), (11, 45698), (15, 45815), (17, 45839),

Gene: PsychoKiller_67 Start: 44958, Stop: 45263, Start Num: 6

Candidate Starts for PsychoKiller_67:

(4, 44922), (5, 44925), (Start: 6 @44958 has 7 MA's), (9, 45063), (11, 45096), (15, 45213),

Gene: Quasar_69 Start: 45847, Stop: 46152, Start Num: 6

Candidate Starts for Quasar_69:

(4, 45811), (5, 45814), (Start: 6 @45847 has 7 MA's), (9, 45952), (11, 45985), (15, 46102), (17, 46126),

Gene: RedBaron_74 Start: 46384, Stop: 46689, Start Num: 6

Candidate Starts for RedBaron_74:

(4, 46348), (5, 46351), (Start: 6 @46384 has 7 MA's), (9, 46489), (11, 46522), (15, 46639), (17, 46663),

Gene: Socotra_70 Start: 45470, Stop: 45775, Start Num: 6

Candidate Starts for Socotra_70:

(4, 45434), (5, 45437), (Start: 6 @45470 has 7 MA's), (9, 45575), (11, 45608), (15, 45725), (17, 45749),

Gene: Sopespian_65 Start: 44959, Stop: 45264, Start Num: 6

Candidate Starts for Sopespian_65:

(4, 44923), (5, 44926), (Start: 6 @44959 has 7 MA's), (9, 45064), (11, 45097), (15, 45214),

Gene: Starburst_70 Start: 45366, Stop: 45671, Start Num: 6

Candidate Starts for Starburst_70:

(4, 45330), (5, 45333), (Start: 6 @45366 has 7 MA's), (9, 45471), (11, 45504), (15, 45621), (17, 45645),

Gene: SteamedHams_66 Start: 43429, Stop: 43728, Start Num: 7

Candidate Starts for SteamedHams_66:

(Start: 7 @43429 has 5 MA's), (8, 43474), (9, 43513), (10, 43531), (13, 43615), (16, 43684),

Gene: Tolls_67 Start: 43700, Stop: 44008, Start Num: 7

Candidate Starts for Tolls_67:

(Start: 7 @43700 has 5 MA's), (8, 43745), (9, 43784), (10, 43802), (13, 43889), (16, 43958),

Gene: Typhonomachy_69 Start: 45176, Stop: 45487, Start Num: 6

Candidate Starts for Typhonomachy_69:

(2, 45056), (5, 45152), (Start: 6 @45176 has 7 MA's), (9, 45272), (12, 45323), (14, 45416),

Gene: Yarn_62 Start: 43457, Stop: 43762, Start Num: 7

Candidate Starts for Yarn_62:

(Start: 7 @43457 has 5 MA's), (8, 43502), (9, 43541), (10, 43559), (13, 43643), (16, 43712),