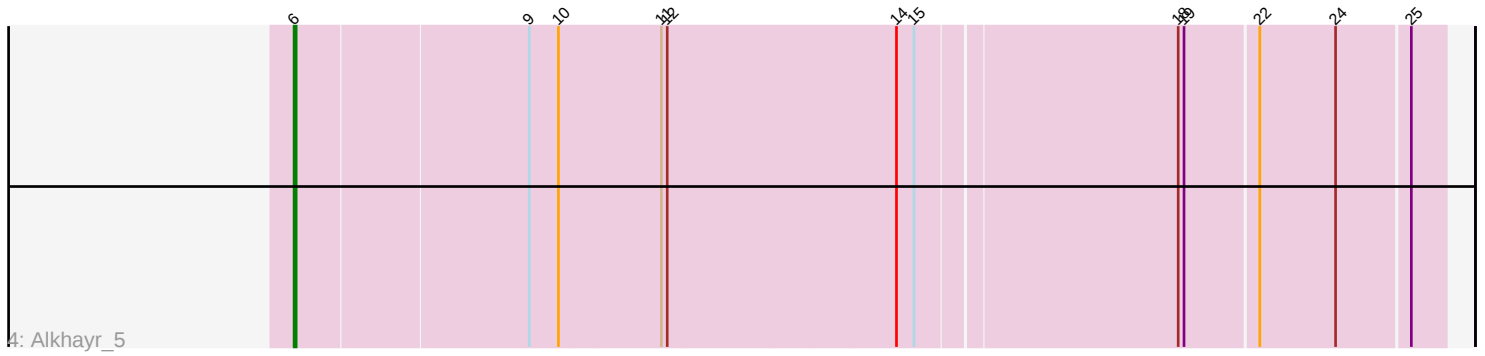
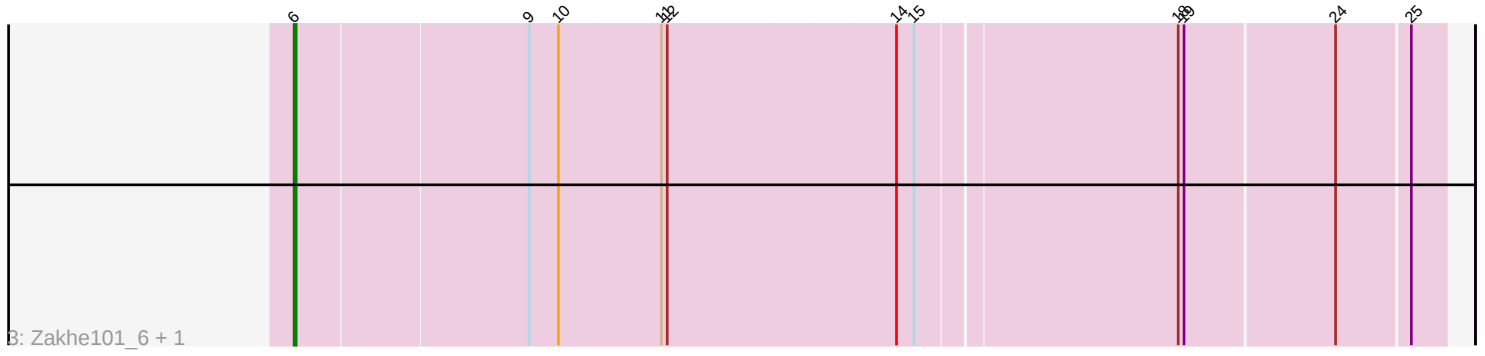
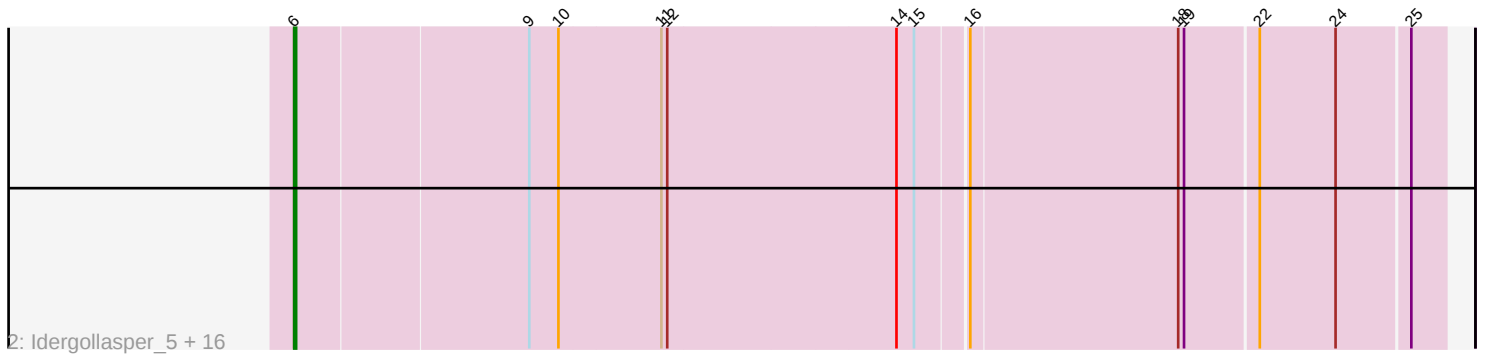
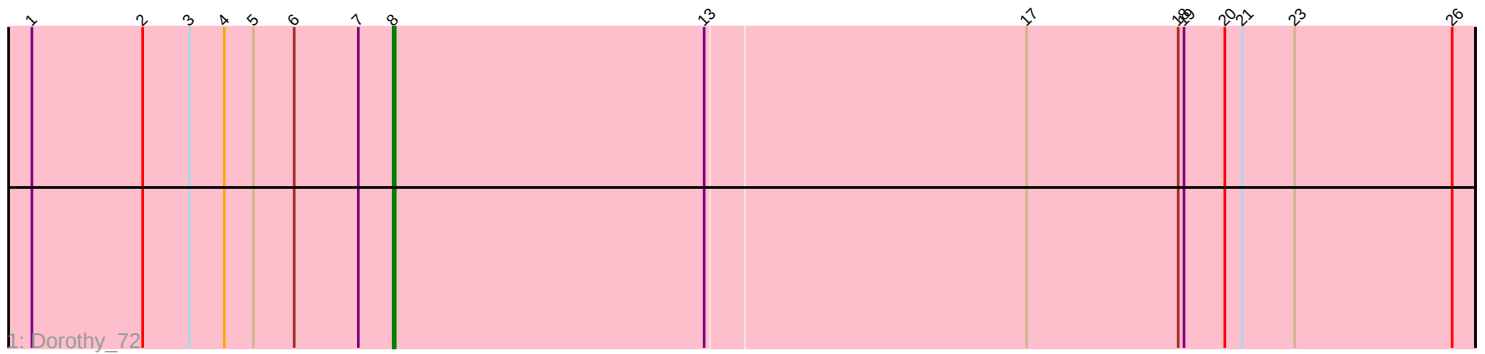


Pham 280868



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 280868 Report

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

Pham number 280868 has 21 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Dorothy_72
- Track 2 : Idergollasper_5, YoyoKar_5, Catdawg_5, Zebo_5, Mori_5, Familton_6, Schuy_5, Krili_5, FoulBall_5, Vorrps_5, NiebruSaylor_5, SchoolBus_5, Shida_5, MadKillah_5, TelAviv_5, Ryadel_7, Blessica_5
- Track 3 : Zakhe101_6, Dylan_6
- Track 4 : Alkhayr_5

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 19 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alkhayr_5, Blessica_5, Catdawg_5, Dylan_6, Familton_6, FoulBall_5, Idergollasper_5, Krili_5, MadKillah_5, Mori_5, NiebruSaylor_5, Ryadel_7, SchoolBus_5, Schuy_5, Shida_5, TelAviv_5, Vorrps_5, YoyoKar_5, Zakhe101_6, Zebo_5,

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

- Dorothy_72,

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

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Summary by start number:

Start 6:

- Found in 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 19 of 20
- Called 95.2% of time when present
- Phage (with cluster) where this start called: Alkhayr_5 (O), Blessica_5 (O), Catdawg_5 (O), Dylan_6 (O), Familton_6 (O), FoulBall_5 (O), Idergollasper_5 (O), Krili_5 (O), MadKillah_5 (O), Mori_5 (O), NiebruSaylor_5 (O), Ryadel_7 (O), SchoolBus_5 (O), Schuy_5 (O), Shida_5 (O), TelAviv_5 (O), Vorrps_5 (O),

YoyoKar_5 (O), Zakhe101_6 (O), Zebo_5 (O),

Start 8:

- Found in 1 of 21 (4.8%) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dorothy_72 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, O,

Info for manual annotations of cluster F1:

- Start number 8 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster O:

- Start number 6 was manually annotated 19 times for cluster O.

Gene Information:

Gene: Alkhayr_5 Start: 1855, Stop: 1286, Start Num: 6

Candidate Starts for Alkhayr_5:

(Start: 6 @1855 has 19 MA's), (9, 1738), (10, 1723), (11, 1672), (12, 1669), (14, 1555), (15, 1546), (18, 1417), (19, 1414), (22, 1378), (24, 1339), (25, 1303),

Gene: Blessica_5 Start: 1714, Stop: 1145, Start Num: 6

Candidate Starts for Blessica_5:

(Start: 6 @1714 has 19 MA's), (9, 1597), (10, 1582), (11, 1531), (12, 1528), (14, 1414), (15, 1405), (16, 1381), (18, 1276), (19, 1273), (22, 1237), (24, 1198), (25, 1162),

Gene: Catdawg_5 Start: 1764, Stop: 1195, Start Num: 6

Candidate Starts for Catdawg_5:

(Start: 6 @1764 has 19 MA's), (9, 1647), (10, 1632), (11, 1581), (12, 1578), (14, 1464), (15, 1455), (16, 1431), (18, 1326), (19, 1323), (22, 1287), (24, 1248), (25, 1212),

Gene: Dorothy_72 Start: 44809, Stop: 45360, Start Num: 8

Candidate Starts for Dorothy_72:

(1, 44623), (2, 44680), (3, 44704), (4, 44722), (5, 44737), (Start: 6 @44758 has 19 MA's), (7, 44791), (Start: 8 @44809 has 1 MA's), (13, 44968), (17, 45130), (18, 45208), (19, 45211), (20, 45232), (21, 45241), (23, 45268), (26, 45349),

Gene: Dylan_6 Start: 2163, Stop: 1594, Start Num: 6

Candidate Starts for Dylan_6:

(Start: 6 @2163 has 19 MA's), (9, 2046), (10, 2031), (11, 1980), (12, 1977), (14, 1863), (15, 1854), (18, 1725), (19, 1722), (24, 1647), (25, 1611),

Gene: Familton_6 Start: 1765, Stop: 1196, Start Num: 6

Candidate Starts for Familton_6:

(Start: 6 @1765 has 19 MA's), (9, 1648), (10, 1633), (11, 1582), (12, 1579), (14, 1465), (15, 1456), (16, 1432), (18, 1327), (19, 1324), (22, 1288), (24, 1249), (25, 1213),

Gene: FoulBall_5 Start: 1765, Stop: 1196, Start Num: 6

Candidate Starts for FoulBall_5:

(Start: 6 @1765 has 19 MA's), (9, 1648), (10, 1633), (11, 1582), (12, 1579), (14, 1465), (15, 1456), (16, 1432), (18, 1327), (19, 1324), (22, 1288), (24, 1249), (25, 1213),

Gene: Idergollasper_5 Start: 1765, Stop: 1196, Start Num: 6

Candidate Starts for Idergollasper_5:

(Start: 6 @1765 has 19 MA's), (9, 1648), (10, 1633), (11, 1582), (12, 1579), (14, 1465), (15, 1456), (16, 1432), (18, 1327), (19, 1324), (22, 1288), (24, 1249), (25, 1213),

Gene: Krili_5 Start: 1716, Stop: 1147, Start Num: 6

Candidate Starts for Krili_5:

(Start: 6 @1716 has 19 MA's), (9, 1599), (10, 1584), (11, 1533), (12, 1530), (14, 1416), (15, 1407), (16, 1383), (18, 1278), (19, 1275), (22, 1239), (24, 1200), (25, 1164),

Gene: MadKillah_5 Start: 1716, Stop: 1147, Start Num: 6

Candidate Starts for MadKillah_5:

(Start: 6 @1716 has 19 MA's), (9, 1599), (10, 1584), (11, 1533), (12, 1530), (14, 1416), (15, 1407), (16, 1383), (18, 1278), (19, 1275), (22, 1239), (24, 1200), (25, 1164),

Gene: Mori_5 Start: 1716, Stop: 1147, Start Num: 6

Candidate Starts for Mori_5:

(Start: 6 @1716 has 19 MA's), (9, 1599), (10, 1584), (11, 1533), (12, 1530), (14, 1416), (15, 1407), (16, 1383), (18, 1278), (19, 1275), (22, 1239), (24, 1200), (25, 1164),

Gene: NiebruSaylor_5 Start: 1716, Stop: 1147, Start Num: 6

Candidate Starts for NiebruSaylor_5:

(Start: 6 @1716 has 19 MA's), (9, 1599), (10, 1584), (11, 1533), (12, 1530), (14, 1416), (15, 1407), (16, 1383), (18, 1278), (19, 1275), (22, 1239), (24, 1200), (25, 1164),

Gene: Ryadel_7 Start: 2296, Stop: 1727, Start Num: 6

Candidate Starts for Ryadel_7:

(Start: 6 @2296 has 19 MA's), (9, 2179), (10, 2164), (11, 2113), (12, 2110), (14, 1996), (15, 1987), (16, 1963), (18, 1858), (19, 1855), (22, 1819), (24, 1780), (25, 1744),

Gene: SchoolBus_5 Start: 1765, Stop: 1196, Start Num: 6

Candidate Starts for SchoolBus_5:

(Start: 6 @1765 has 19 MA's), (9, 1648), (10, 1633), (11, 1582), (12, 1579), (14, 1465), (15, 1456), (16, 1432), (18, 1327), (19, 1324), (22, 1288), (24, 1249), (25, 1213),

Gene: Schuy_5 Start: 1716, Stop: 1147, Start Num: 6

Candidate Starts for Schuy_5:

(Start: 6 @1716 has 19 MA's), (9, 1599), (10, 1584), (11, 1533), (12, 1530), (14, 1416), (15, 1407), (16, 1383), (18, 1278), (19, 1275), (22, 1239), (24, 1200), (25, 1164),

Gene: Shida_5 Start: 1765, Stop: 1196, Start Num: 6

Candidate Starts for Shida_5:

(Start: 6 @1765 has 19 MA's), (9, 1648), (10, 1633), (11, 1582), (12, 1579), (14, 1465), (15, 1456), (16, 1432), (18, 1327), (19, 1324), (22, 1288), (24, 1249), (25, 1213),

Gene: TelAviv_5 Start: 1762, Stop: 1193, Start Num: 6

Candidate Starts for TelAviv_5:

(Start: 6 @1762 has 19 MA's), (9, 1645), (10, 1630), (11, 1579), (12, 1576), (14, 1462), (15, 1453), (16, 1429), (18, 1324), (19, 1321), (22, 1285), (24, 1246), (25, 1210),

Gene: Vorrps_5 Start: 1716, Stop: 1147, Start Num: 6

Candidate Starts for Vorrps_5:

(Start: 6 @1716 has 19 MA's), (9, 1599), (10, 1584), (11, 1533), (12, 1530), (14, 1416), (15, 1407), (16, 1383), (18, 1278), (19, 1275), (22, 1239), (24, 1200), (25, 1164),

Gene: YoyoKar_5 Start: 1772, Stop: 1203, Start Num: 6

Candidate Starts for YoyoKar_5:

(Start: 6 @1772 has 19 MA's), (9, 1655), (10, 1640), (11, 1589), (12, 1586), (14, 1472), (15, 1463), (16, 1439), (18, 1334), (19, 1331), (22, 1295), (24, 1256), (25, 1220),

Gene: Zakhe101_6 Start: 2163, Stop: 1594, Start Num: 6

Candidate Starts for Zakhe101_6:

(Start: 6 @2163 has 19 MA's), (9, 2046), (10, 2031), (11, 1980), (12, 1977), (14, 1863), (15, 1854), (18, 1725), (19, 1722), (24, 1647), (25, 1611),

Gene: Zebo_5 Start: 1765, Stop: 1196, Start Num: 6

Candidate Starts for Zebo_5:

(Start: 6 @1765 has 19 MA's), (9, 1648), (10, 1633), (11, 1582), (12, 1579), (14, 1465), (15, 1456), (16, 1432), (18, 1327), (19, 1324), (22, 1288), (24, 1249), (25, 1213),