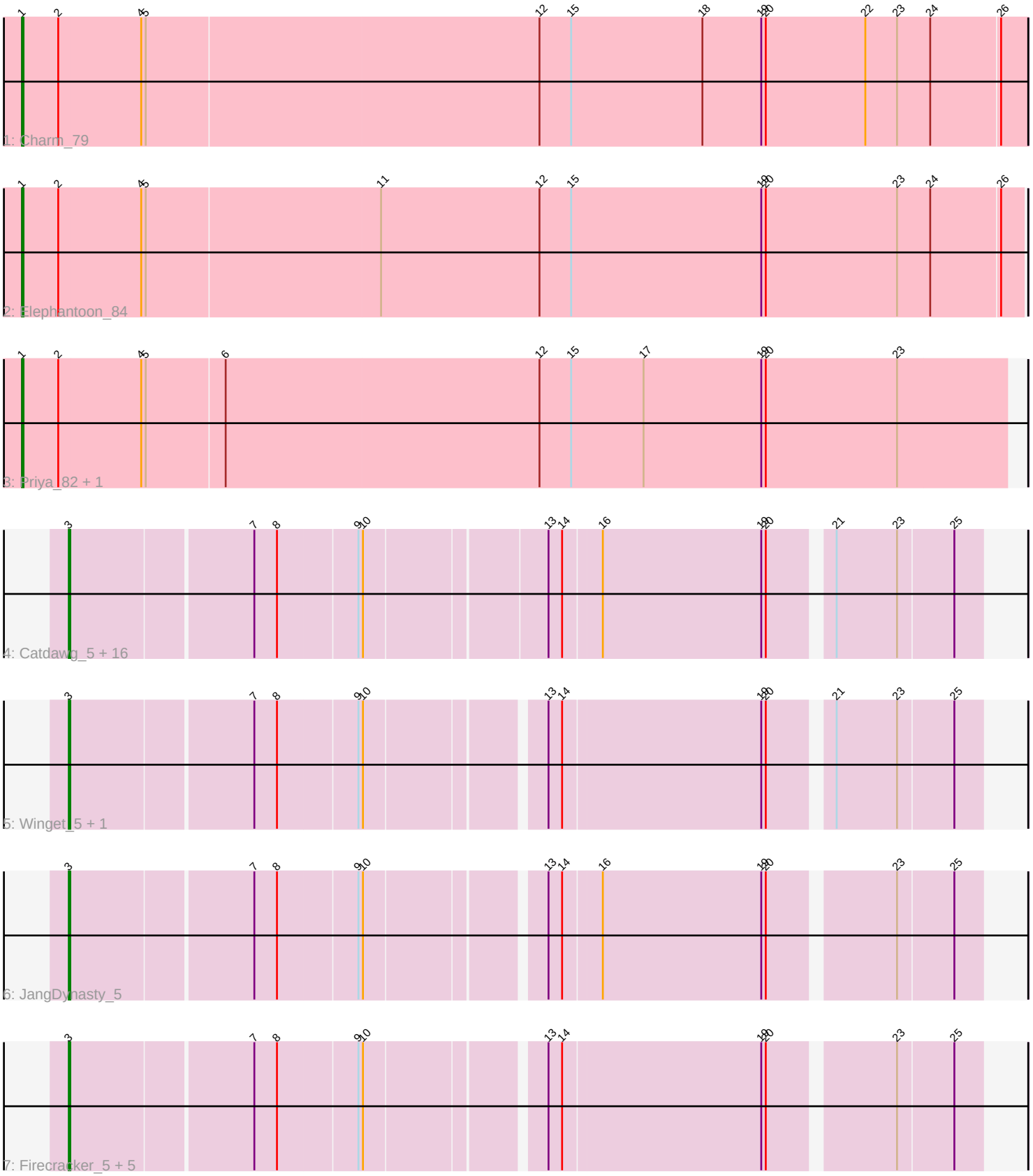
Pham 284061


1: Charm_79
2: Elephantoon_84
3: Priya_82 + 1
4: Catdawg_5 + 16
5: Winget_5 + 1
6: JangDynasty_5
7: Firecracker_5 + 5

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 284061 Report

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

Pham number 284061 has 30 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Charm_79
• Track 2 : Elephantoon_84
• Track 3 : Priya_82, Spouty_82
• Track 4 : Catdawg_5, Krili_5, FoulBall_5, Zebo_5, Mori_5, Familton_6, Vorrps_5, SchoolBus_5, MadKillah_5, Schuy_5, TelAviv_5, NiebruSaylor_5, Ryadel_7, Shida_5, Idergollasper_5, Blessica_5, YoyoKar_5
• Track 5 : Winget_5, Alkhayr_5
• Track 6 : JangDynasty_5
• Track 7 : Firecracker_5, Corndog_6, Smooch_6, Zakhe101_6, Dylan_6, YungJamal_6

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 25 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alkhayr_5, Blessica_5, Catdawg_5, Corndog_6, Dylan_6, Familton_6, Firecracker_5, FoulBall_5, Idergollasper_5, JangDynasty_5, Krili_5, MadKillah_5, Mori_5, NiebruSaylor_5, Ryadel_7, SchoolBus_5, Schuy_5, Shida_5, Smooch_6, TelAviv_5, Vorrps_5, Winget_5, YoyoKar_5, YungJamal_6, Zakhe101_6, Zebo_5,

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

Genes that do not have the "Most Annotated" start:
• Charm_79, Elephantoon_84, Priya_82, Spouty_82,

Summary by start number:

Start 1:
• Found in 4 of 30 (13.3%) of genes in pham
• Manual Annotations of this start: 4 of 29
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Charm_79 (A9), Elephantoon_84 (A9), Priya_82 (A9), Spouty_82 (A9),

Start 3:
• Found in 26 of 30 (86.7%) of genes in pham
• Manual Annotations of this start: 25 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alkhayr_5 (O), Blessica_5 (O), Catdawg_5 (O), Corndog_6 (O), Dylan_6 (O), Familton_6 (O), Firecracker_5 (O), FoulBall_5 (O), Idergollasper_5 (O), JangDynasty_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), Smooch_6 (O), TelAviv_5 (O), Vorrps_5 (O), Winget_5 (O), YoyoKar_5 (O), YungJamal_6 (O), Zakhe101_6 (O), Zebo_5 (O),

Summary by clusters:

There are 2 clusters represented in this pham: A9, O,

Info for manual annotations of cluster A9:
•Start number 1 was manually annotated 4 times for cluster A9.

Info for manual annotations of cluster O:
•Start number 3 was manually annotated 25 times for cluster O.

Gene Information:

Gene: Alkhayr_5 Start: 1855, Stop: 1286, Start Num: 3
Candidate Starts for Alkhayr_5:
(Start: 3 @1855 has 25 MA's), (7, 1738), (8, 1723), (9, 1672), (10, 1669), (13, 1555), (14, 1546), (19, 1417), (20, 1414), (21, 1378), (23, 1339), (25, 1303),

Gene: Blessica_5 Start: 1714, Stop: 1145, Start Num: 3
Candidate Starts for Blessica_5:
(Start: 3 @1714 has 25 MA's), (7, 1597), (8, 1582), (9, 1531), (10, 1528), (13, 1414), (14, 1405), (16, 1381), (19, 1276), (20, 1273), (21, 1237), (23, 1198), (25, 1162),

Gene: Catdawg_5 Start: 1764, Stop: 1195, Start Num: 3
Candidate Starts for Catdawg_5:
(Start: 3 @1764 has 25 MA's), (7, 1647), (8, 1632), (9, 1581), (10, 1578), (13, 1464), (14, 1455), (16, 1431), (19, 1326), (20, 1323), (21, 1287), (23, 1248), (25, 1212),

Gene: Charm_79 Start: 46368, Stop: 45709, Start Num: 1
Candidate Starts for Charm_79:
(Start: 1 @46368 has 4 MA's), (2, 46344), (4, 46290), (5, 46287), (12, 46029), (15, 46008), (18, 45921), (19, 45882), (20, 45879), (22, 45813), (23, 45792), (24, 45771), (26, 45726),

Gene: Corndog_6 Start: 2141, Stop: 1578, Start Num: 3
Candidate Starts for Corndog_6:
(Start: 3 @2141 has 25 MA's), (7, 2024), (8, 2009), (9, 1958), (10, 1955), (13, 1847), (14, 1838), (19, 1709), (20, 1706), (23, 1631), (25, 1595),

Gene: Dylan_6 Start: 2163, Stop: 1594, Start Num: 3
Candidate Starts for Dylan_6:
(Start: 3 @2163 has 25 MA's), (7, 2046), (8, 2031), (9, 1980), (10, 1977), (13, 1863), (14, 1854), (19, 1725), (20, 1722), (23, 1647), (25, 1611),

Gene: Elephantoon_84 Start: 46848, Stop: 46192, Start Num: 1
Candidate Starts for Elephantoon_84:
(Start: 1 @46848 has 4 MA's), (2, 46824), (4, 46770), (5, 46767), (11, 46614), (12, 46509), (15, 46488), (19, 46362), (20, 46359), (23, 46272), (24, 46251), (26, 46206),

Gene: Familton_6 Start: 1765, Stop: 1196, Start Num: 3
Candidate Starts for Familton_6:
(Start: 3 @1765 has 25 MA's), (7, 1648), (8, 1633), (9, 1582), (10, 1579), (13, 1465), (14, 1456), (16, 1432), (19, 1327), (20, 1324), (21, 1288), (23, 1249), (25, 1213),

Gene: Firecracker_5 Start: 1850, Stop: 1287, Start Num: 3
Candidate Starts for Firecracker_5:
(Start: 3 @1850 has 25 MA's), (7, 1733), (8, 1718), (9, 1667), (10, 1664), (13, 1556), (14, 1547), (19, 1418), (20, 1415), (23, 1340), (25, 1304),

Gene: FoulBall_5 Start: 1765, Stop: 1196, Start Num: 3
Candidate Starts for FoulBall_5:
(Start: 3 @1765 has 25 MA's), (7, 1648), (8, 1633), (9, 1582), (10, 1579), (13, 1465), (14, 1456), (16, 1432), (19, 1327), (20, 1324), (21, 1288), (23, 1249), (25, 1213),

Gene: Idergollasper_5 Start: 1765, Stop: 1196, Start Num: 3
Candidate Starts for Idergollasper_5:
(Start: 3 @1765 has 25 MA's), (7, 1648), (8, 1633), (9, 1582), (10, 1579), (13, 1465), (14, 1456), (16, 1432), (19, 1327), (20, 1324), (21, 1288), (23, 1249), (25, 1213),

Gene: JangDynasty_5 Start: 1854, Stop: 1291, Start Num: 3
Candidate Starts for JangDynasty_5:
(Start: 3 @1854 has 25 MA's), (7, 1737), (8, 1722), (9, 1671), (10, 1668), (13, 1560), (14, 1551), (16, 1527), (19, 1422), (20, 1419), (23, 1344), (25, 1308),

Gene: Krili_5 Start: 1716, Stop: 1147, Start Num: 3
Candidate Starts for Krili_5:
(Start: 3 @1716 has 25 MA's), (7, 1599), (8, 1584), (9, 1533), (10, 1530), (13, 1416), (14, 1407), (16, 1383), (19, 1278), (20, 1275), (21, 1239), (23, 1200), (25, 1164),

Gene: MadKillah_5 Start: 1716, Stop: 1147, Start Num: 3
Candidate Starts for MadKillah_5:
(Start: 3 @1716 has 25 MA's), (7, 1599), (8, 1584), (9, 1533), (10, 1530), (13, 1416), (14, 1407), (16, 1383), (19, 1278), (20, 1275), (21, 1239), (23, 1200), (25, 1164),

Gene: Mori_5 Start: 1716, Stop: 1147, Start Num: 3
Candidate Starts for Mori_5:
(Start: 3 @1716 has 25 MA's), (7, 1599), (8, 1584), (9, 1533), (10, 1530), (13, 1416), (14, 1407), (16, 1383), (19, 1278), (20, 1275), (21, 1239), (23, 1200), (25, 1164),

Gene: NiebruSaylor_5 Start: 1716, Stop: 1147, Start Num: 3
Candidate Starts for NiebruSaylor_5:

(Start: 3 @1716 has 25 MA's), (7, 1599), (8, 1584), (9, 1533), (10, 1530), (13, 1416), (14, 1407), (16, 1383), (19, 1278), (20, 1275), (21, 1239), (23, 1200), (25, 1164),

Gene: Priya_82 Start: 46693, Stop: 46046, Start Num: 1
Candidate Starts for Priya_82:
(Start: 1 @46693 has 4 MA's), (2, 46669), (4, 46615), (5, 46612), (6, 46561), (12, 46354), (15, 46333), (17, 46285), (19, 46207), (20, 46204), (23, 46117),

Gene: Ryadel_7 Start: 2296, Stop: 1727, Start Num: 3
Candidate Starts for Ryadel_7:
(Start: 3 @2296 has 25 MA's), (7, 2179), (8, 2164), (9, 2113), (10, 2110), (13, 1996), (14, 1987), (16, 1963), (19, 1858), (20, 1855), (21, 1819), (23, 1780), (25, 1744),

Gene: SchoolBus_5 Start: 1765, Stop: 1196, Start Num: 3
Candidate Starts for SchoolBus_5:
(Start: 3 @1765 has 25 MA's), (7, 1648), (8, 1633), (9, 1582), (10, 1579), (13, 1465), (14, 1456), (16, 1432), (19, 1327), (20, 1324), (21, 1288), (23, 1249), (25, 1213),

Gene: Schuy_5 Start: 1716, Stop: 1147, Start Num: 3
Candidate Starts for Schuy_5:
(Start: 3 @1716 has 25 MA's), (7, 1599), (8, 1584), (9, 1533), (10, 1530), (13, 1416), (14, 1407), (16, 1383), (19, 1278), (20, 1275), (21, 1239), (23, 1200), (25, 1164),

Gene: Shida_5 Start: 1765, Stop: 1196, Start Num: 3
Candidate Starts for Shida_5:
(Start: 3 @1765 has 25 MA's), (7, 1648), (8, 1633), (9, 1582), (10, 1579), (13, 1465), (14, 1456), (16, 1432), (19, 1327), (20, 1324), (21, 1288), (23, 1249), (25, 1213),

Gene: Smooch_6 Start: 2139, Stop: 1576, Start Num: 3
Candidate Starts for Smooch_6:
(Start: 3 @2139 has 25 MA's), (7, 2022), (8, 2007), (9, 1956), (10, 1953), (13, 1845), (14, 1836), (19, 1707), (20, 1704), (23, 1629), (25, 1593),

Gene: Spouty_82 Start: 46692, Stop: 46045, Start Num: 1
Candidate Starts for Spouty_82:
(Start: 1 @46692 has 4 MA's), (2, 46668), (4, 46614), (5, 46611), (6, 46560), (12, 46353), (15, 46332), (17, 46284), (19, 46206), (20, 46203), (23, 46116),

Gene: TelAviv_5 Start: 1762, Stop: 1193, Start Num: 3
Candidate Starts for TelAviv_5:
(Start: 3 @1762 has 25 MA's), (7, 1645), (8, 1630), (9, 1579), (10, 1576), (13, 1462), (14, 1453), (16, 1429), (19, 1324), (20, 1321), (21, 1285), (23, 1246), (25, 1210),

Gene: Vorrps_5 Start: 1716, Stop: 1147, Start Num: 3
Candidate Starts for Vorrps_5:
(Start: 3 @1716 has 25 MA's), (7, 1599), (8, 1584), (9, 1533), (10, 1530), (13, 1416), (14, 1407), (16, 1383), (19, 1278), (20, 1275), (21, 1239), (23, 1200), (25, 1164),

Gene: Winget_5 Start: 1850, Stop: 1287, Start Num: 3
Candidate Starts for Winget_5:
(Start: 3 @1850 has 25 MA's), (7, 1733), (8, 1718), (9, 1667), (10, 1664), (13, 1556), (14, 1547), (19, 1418), (20, 1415), (21, 1379), (23, 1340), (25, 1304),

Gene: YoyoKar_5 Start: 1772, Stop: 1203, Start Num: 3
Candidate Starts for YoyoKar_5:
(Start: 3 @1772 has 25 MA's), (7, 1655), (8, 1640), (9, 1589), (10, 1586), (13, 1472), (14, 1463), (16, 1439), (19, 1334), (20, 1331), (21, 1295), (23, 1256), (25, 1220),

Gene: YungJamal_6 Start: 2139, Stop: 1576, Start Num: 3
Candidate Starts for YungJamal_6:
(Start: 3 @2139 has 25 MA's), (7, 2022), (8, 2007), (9, 1956), (10, 1953), (13, 1845), (14, 1836), (19, 1707), (20, 1704), (23, 1629), (25, 1593),

Gene: Zakhe101_6 Start: 2163, Stop: 1594, Start Num: 3
Candidate Starts for Zakhe101_6:
(Start: 3 @2163 has 25 MA's), (7, 2046), (8, 2031), (9, 1980), (10, 1977), (13, 1863), (14, 1854), (19, 1725), (20, 1722), (23, 1647), (25, 1611),

Gene: Zebo_5 Start: 1765, Stop: 1196, Start Num: 3
Candidate Starts for Zebo_5:
(Start: 3 @1765 has 25 MA's), (7, 1648), (8, 1633), (9, 1582), (10, 1579), (13, 1465), (14, 1456), (16, 1432), (19, 1327), (20, 1324), (21, 1288), (23, 1249), (25, 1213),