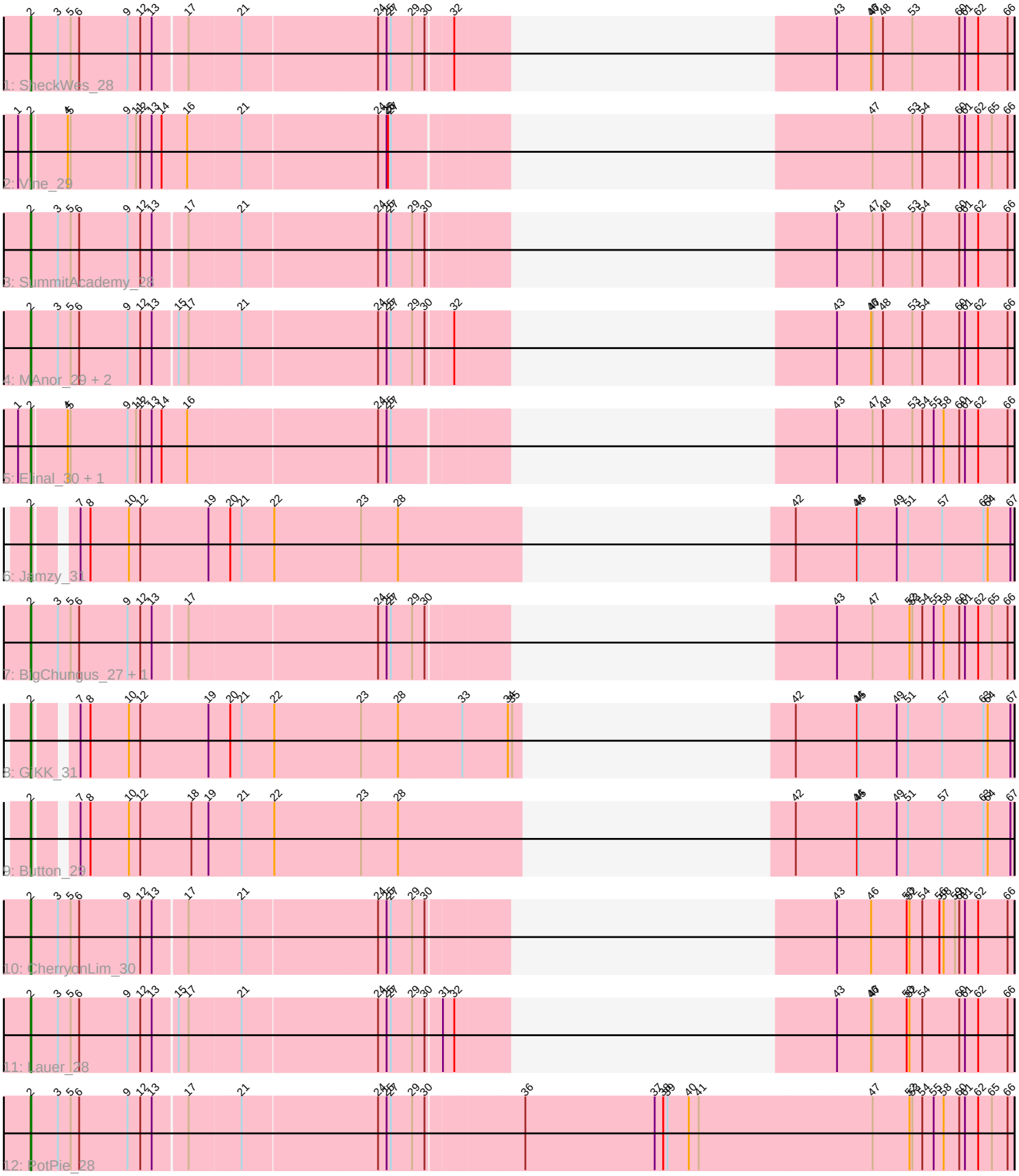
Pham 196930


1: SheckWes_28
2: Vine_29
3: SummitAcademy_28
4: MAnor_29 + 2
5: Elnal_30 + 1
6: Jamzy_31
7: BigChungus_27 + 1
8: GKK_31
9: Button_29
10: CherryonLim_30
11: Lauer_28
12: PotPie_28

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 196930 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196930 has 16 members, 0 are drafts.

Phages represented in each track:
• Track 1 : SheckWes_28
• Track 2 : Vine_29
• Track 3 : SummitAcademy_28
• Track 4 : MAnor_29, Pons_29, Mayweather_30
• Track 5 : Elinal_30, KayGee_29
• Track 6 : Jamzy_31
• Track 7 : BigChungus_27, Feastonyeet_27
• Track 8 : GiKK_31
• Track 9 : Button_29
• Track 10 : CherryonLim_30
• Track 11 : Lauer_28
• Track 12 : PotPie_28

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

The start number called the most often in the published annotations is 2, it was called in 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BigChungus_27, Button_29, CherryonLim_30, Elinal_30, Feastonyeet_27, GiKK_31, Jamzy_31, KayGee_29, Lauer_28, MAnor_29, Mayweather_30, Pons_29, PotPie_28, SheckWes_28, SummitAcademy_28, Vine_29,

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

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

Summary by start number:

Start 2:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 16

• Called 100.0% of time when present
• Phage (with cluster) where this start called: BigChungus_27 (CT), Button_29 (CT), CherryonLim_30 (CT), Elinal_30 (CT), Feastonyeet_27 (CT), GiKK_31 (CT), Jamzy_31 (CT), KayGee_29 (CT), Lauer_28 (CT), MAnor_29 (CT), Mayweather_30 (CT), Pons_29 (CT), PotPie_28 (CT), SheckWes_28 (CT), SummitAcademy_28 (CT), Vine_29 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:
•Start number 2 was manually annotated 16 times for cluster CT.

Gene Information:

Gene: BigChungus_27 Start: 21875, Stop: 23308, Start Num: 2
Candidate Starts for BigChungus_27:
(Start: 2 @21875 has 16 MA's), (3, 21932), (5, 21959), (6, 21977), (9, 22079), (12, 22106), (13, 22130), (17, 22199), (24, 22577), (25, 22595), (27, 22604), (29, 22649), (30, 22670), (43, 22955), (47, 23030), (52, 23105), (53, 23111), (54, 23129), (55, 23150), (58, 23168), (60, 23201), (61, 23213), (62, 23237), (65, 23264), (66, 23297),

Gene: Button_29 Start: 21375, Stop: 22883, Start Num: 2
Candidate Starts for Button_29:
(Start: 2 @21375 has 16 MA's), (7, 21441), (8, 21462), (10, 21543), (12, 21567), (18, 21675), (19, 21711), (21, 21780), (22, 21849), (23, 22032), (28, 22110), (42, 22422), (44, 22551), (45, 22554), (49, 22635), (51, 22659), (57, 22731), (63, 22818), (64, 22827), (67, 22875),

Gene: CherryonLim_30 Start: 23612, Stop: 25042, Start Num: 2
Candidate Starts for CherryonLim_30:
(Start: 2 @23612 has 16 MA's), (3, 23669), (5, 23696), (6, 23714), (9, 23816), (12, 23843), (13, 23867), (17, 23936), (21, 24041), (24, 24314), (25, 24332), (27, 24341), (29, 24386), (30, 24407), (43, 24692), (46, 24764), (50, 24836), (52, 24842), (54, 24866), (56, 24896), (58, 24905), (59, 24929), (60, 24938), (61, 24950), (62, 24971), (66, 25031),

Gene: Elinal_30 Start: 22849, Stop: 24279, Start Num: 2
Candidate Starts for Elinal_30:
(1, 22822), (Start: 2 @22849 has 16 MA's), (4, 22921), (5, 22924), (9, 23044), (11, 23062), (12, 23071), (13, 23095), (14, 23116), (16, 23170), (24, 23551), (25, 23569), (27, 23578), (43, 23929), (47, 24004), (48, 24025), (53, 24085), (54, 24103), (55, 24124), (58, 24142), (60, 24175), (61, 24187), (62, 24208), (66, 24268),

Gene: Feastonyeet_27 Start: 21875, Stop: 23308, Start Num: 2
Candidate Starts for Feastonyeet_27:
(Start: 2 @21875 has 16 MA's), (3, 21932), (5, 21959), (6, 21977), (9, 22079), (12, 22106), (13, 22130), (17, 22199), (24, 22577), (25, 22595), (27, 22604), (29, 22649), (30, 22670), (43, 22955), (47, 23030), (52, 23105), (53, 23111), (54, 23129), (55, 23150), (58, 23168), (60, 23201), (61, 23213), (62, 23237), (65, 23264), (66, 23297),

Gene: GiKK_31 Start: 21674, Stop: 23182, Start Num: 2

Candidate Starts for GiKK_31:
(Start: 2 @21674 has 16 MA's), (7, 21740), (8, 21761), (10, 21842), (12, 21866), (19, 22010), (20, 22055), (21, 22079), (22, 22148), (23, 22331), (28, 22409), (33, 22544), (34, 22640), (35, 22649), (42, 22721), (44, 22850), (45, 22853), (49, 22934), (51, 22958), (57, 23030), (63, 23117), (64, 23126), (67, 23174),

Gene: Jamzy_31 Start: 21688, Stop: 23196, Start Num: 2
Candidate Starts for Jamzy_31:
(Start: 2 @21688 has 16 MA's), (7, 21754), (8, 21775), (10, 21856), (12, 21880), (19, 22024), (20, 22069), (21, 22093), (22, 22162), (23, 22345), (28, 22423), (42, 22735), (44, 22864), (45, 22867), (49, 22948), (51, 22972), (57, 23044), (63, 23131), (64, 23140), (67, 23188),

Gene: KayGee_29 Start: 22849, Stop: 24279, Start Num: 2
Candidate Starts for KayGee_29:
(1, 22822), (Start: 2 @22849 has 16 MA's), (4, 22921), (5, 22924), (9, 23044), (11, 23062), (12, 23071), (13, 23095), (14, 23116), (16, 23170), (24, 23551), (25, 23569), (27, 23578), (43, 23929), (47, 24004), (48, 24025), (53, 24085), (54, 24103), (55, 24124), (58, 24142), (60, 24175), (61, 24187), (62, 24208), (66, 24268),

Gene: Lauer_28 Start: 22905, Stop: 24338, Start Num: 2
Candidate Starts for Lauer_28:
(Start: 2 @22905 has 16 MA's), (3, 22962), (5, 22989), (6, 23007), (9, 23109), (12, 23136), (13, 23160), (15, 23208), (17, 23229), (21, 23334), (24, 23607), (25, 23625), (27, 23634), (29, 23679), (30, 23700), (31, 23727), (32, 23751), (43, 23985), (46, 24057), (47, 24060), (50, 24129), (52, 24135), (54, 24159), (60, 24231), (61, 24243), (62, 24267), (66, 24327),

Gene: MAnor_29 Start: 22872, Stop: 24305, Start Num: 2
Candidate Starts for MAnor_29:
(Start: 2 @22872 has 16 MA's), (3, 22929), (5, 22956), (6, 22974), (9, 23076), (12, 23103), (13, 23127), (15, 23175), (17, 23196), (21, 23301), (24, 23574), (25, 23592), (27, 23601), (29, 23646), (30, 23667), (32, 23718), (43, 23952), (46, 24024), (47, 24027), (48, 24048), (53, 24108), (54, 24126), (60, 24198), (61, 24210), (62, 24234), (66, 24294),

Gene: Mayweather_30 Start: 23488, Stop: 24921, Start Num: 2
Candidate Starts for Mayweather_30:
(Start: 2 @23488 has 16 MA's), (3, 23545), (5, 23572), (6, 23590), (9, 23692), (12, 23719), (13, 23743), (15, 23791), (17, 23812), (21, 23917), (24, 24190), (25, 24208), (27, 24217), (29, 24262), (30, 24283), (32, 24334), (43, 24568), (46, 24640), (47, 24643), (48, 24664), (53, 24724), (54, 24742), (60, 24814), (61, 24826), (62, 24850), (66, 24910),

Gene: Pons_29 Start: 22861, Stop: 24294, Start Num: 2
Candidate Starts for Pons_29:
(Start: 2 @22861 has 16 MA's), (3, 22918), (5, 22945), (6, 22963), (9, 23065), (12, 23092), (13, 23116), (15, 23164), (17, 23185), (21, 23290), (24, 23563), (25, 23581), (27, 23590), (29, 23635), (30, 23656), (32, 23707), (43, 23941), (46, 24013), (47, 24016), (48, 24037), (53, 24097), (54, 24115), (60, 24187), (61, 24199), (62, 24223), (66, 24283),

Gene: PotPie_28 Start: 22694, Stop: 24688, Start Num: 2
Candidate Starts for PotPie_28:
(Start: 2 @22694 has 16 MA's), (3, 22751), (5, 22778), (6, 22796), (9, 22898), (12, 22925), (13, 22949), (17, 23018), (21, 23123), (24, 23396), (25, 23414), (27, 23423), (29, 23468), (30, 23489), (36, 23684), (37, 23957), (38, 23975), (39, 23984), (40, 24029), (41, 24050), (47, 24410), (52, 24485), (53, 24491), (54, 24509), (55, 24530), (58, 24548), (60, 24581), (61, 24593), (62, 24617), (65, 24644), (66,

24677),

Gene: SheckWes_28 Start: 21838, Stop: 23271, Start Num: 2
Candidate Starts for SheckWes_28:
(Start: 2 @21838 has 16 MA's), (3, 21895), (5, 21922), (6, 21940), (9, 22042), (12, 22069), (13, 22093), (17, 22162), (21, 22267), (24, 22540), (25, 22558), (27, 22567), (29, 22612), (30, 22633), (32, 22684), (43, 22918), (46, 22990), (47, 22993), (48, 23014), (53, 23074), (60, 23164), (61, 23176), (62, 23200), (66, 23260),

Gene: SummitAcademy_28 Start: 21914, Stop: 23344, Start Num: 2
Candidate Starts for SummitAcademy_28:
(Start: 2 @21914 has 16 MA's), (3, 21971), (5, 21998), (6, 22016), (9, 22118), (12, 22145), (13, 22169), (17, 22238), (21, 22343), (24, 22616), (25, 22634), (27, 22643), (29, 22688), (30, 22709), (43, 22994), (47, 23069), (48, 23090), (53, 23150), (54, 23168), (60, 23240), (61, 23252), (62, 23273), (66, 23333),

Gene: Vine_29 Start: 22832, Stop: 24265, Start Num: 2
Candidate Starts for Vine_29:
(1, 22805), (Start: 2 @22832 has 16 MA's), (4, 22904), (5, 22907), (9, 23027), (11, 23045), (12, 23054), (13, 23078), (14, 23099), (16, 23153), (21, 23261), (24, 23534), (25, 23552), (26, 23555), (27, 23561), (47, 23987), (53, 24068), (54, 24086), (60, 24158), (61, 24170), (62, 24194), (65, 24221), (66, 24254),