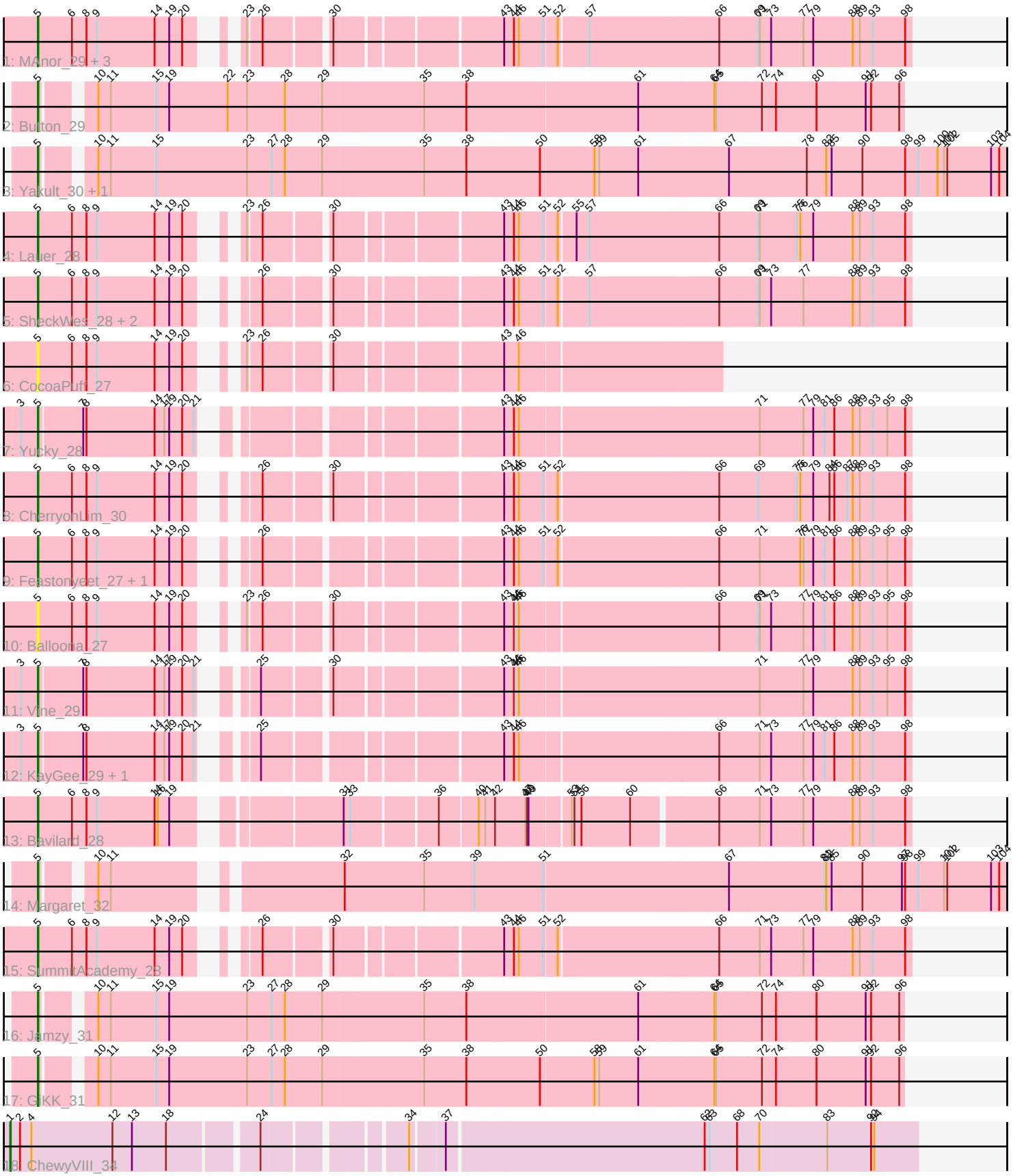
Pham 347958


1: MAnor_29 + 3
2: Button_29
3: Yakult_30 + 1
4: Lauer_28
5: SheckWes_28 + 2
6: CocoaPuff_27
7: Yucky_28
8: CherryonLim_30
9: Feastonyeet_27 + 1
10: Balloona_27
11: Vine_29
12: KayGee_29 + 1
13: Bayliard_28
14: Margaret_32
15: SummitAcademy_28
16: Jamzy_31
17: GKK_31
18: ChewyVIII_34

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 347958 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347958 has 26 members, 4 are drafts.

Phages represented in each track:
- Track 1 : MAnor_29, Tarnish_29, Pons_29, Mayweather_30
- Track 2 : Button_29
- Track 3 : Yakult_30, RanchParmCat_31
- Track 4 : Lauer_28
- Track 5 : SheckWes_28, ElJefes_27, McDazzle_27
- Track 6 : CocoaPuff_27
- Track 7 : Yucky_28
- Track 8 : CherryonLim_30
- Track 9 : Feastonyeet_27, BigChungus_27
- Track 10 : Balloona_27
- Track 11 : Vine_29
- Track 12 : KayGee_29, Elinal_30
- Track 13 : Bavilard_28
- Track 14 : Margaret_32
- Track 15 : SummitAcademy_28
- Track 16 : Jamzy_31
- Track 17 : GiKK_31
- Track 18 : ChewyVIII_34

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

The start number called the most often in the published annotations is 5, it was called in 21 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Balloona_27, Bavilard_28, BigChungus_27, Button_29, CherryonLim_30, CocoaPuff_27, ElJefes_27, Elinal_30, Feastonyeet_27, GiKK_31, Jamzy_31, KayGee_29, Lauer_28, MAnor_29, Margaret_32, Mayweather_30, McDazzle_27, Pons_29, RanchParmCat_31, SheckWes_28, SummitAcademy_28, Tarnish_29, Vine_29, Yakult_30, Yucky_28,

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

Genes that do not have the "Most Annotated" start:
• ChewyVIII_34,

Summary by start number:

Start 1:
• Found in 1 of 26 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ChewyVIII_34 (singleton),

Start 5:
• Found in 25 of 26 (96.2%) of genes in pham
• Manual Annotations of this start: 21 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Balloona_27 (CT), Bavilard_28 (CT), BigChungus_27 (CT), Button_29 (CT), CherryonLim_30 (CT), CocoaPuff_27 (CT), ElJefes_27 (CT), Elinal_30 (CT), Feastonyeet_27 (CT), GiKK_31 (CT), Jamzy_31 (CT), KayGee_29 (CT), Lauer_28 (CT), MAnor_29 (CT), Margaret_32 (CT), Mayweather_30 (CT), McDazzle_27 (CT), Pons_29 (CT), RanchParmCat_31 (CT), SheckWes_28 (CT), SummitAcademy_28 (CT), Tarnish_29 (CT), Vine_29 (CT), Yakult_30 (CT), Yucky_28 (CT),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, CT,

Info for manual annotations of cluster CT:
•Start number 5 was manually annotated 21 times for cluster CT.

Gene Information:

Gene: Balloona_27 Start: 21832, Stop: 23265, Start Num: 5
Candidate Starts for Balloona_27:
(Start: 5 @21832 has 21 MA's), (6, 21889), (8, 21916), (9, 21934), (14, 22036), (19, 22063), (20, 22087), (23, 22135), (26, 22156), (30, 22261), (43, 22534), (44, 22552), (45, 22555), (46, 22561), (66, 22912), (69, 22984), (71, 22987), (73, 23008), (77, 23068), (79, 23086), (81, 23107), (86, 23125), (88, 23158), (89, 23170), (93, 23194), (95, 23221), (98, 23254),

Gene: Bavilard_28 Start: 22617, Stop: 24077, Start Num: 5
Candidate Starts for Bavilard_28:
(Start: 5 @22617 has 21 MA's), (6, 22674), (8, 22701), (9, 22719), (14, 22821), (16, 22827), (19, 22848), (31, 23097), (33, 23109), (36, 23256), (40, 23322), (41, 23334), (42, 23352), (47, 23406), (48, 23409), (49, 23412), (53, 23478), (54, 23481), (56, 23493), (60, 23583), (66, 23724), (71, 23799), (73, 23820), (77, 23880), (79, 23898), (88, 23970), (89, 23982), (93, 24006), (98, 24066),

Gene: BigChungus_27 Start: 21875, Stop: 23308, Start Num: 5
Candidate Starts for BigChungus_27:
(Start: 5 @21875 has 21 MA's), (6, 21932), (8, 21959), (9, 21977), (14, 22079), (19, 22106), (20, 22130), (26, 22199), (43, 22577), (44, 22595), (46, 22604), (51, 22649), (52, 22670), (66, 22955), (71, 23030), (76, 23105), (77, 23111), (79, 23129), (81, 23150), (86, 23168), (88, 23201), (89, 23213), (93,

23237), (95, 23264), (98, 23297),

Gene: Button_29 Start: 21375, Stop: 22883, Start Num: 5
Candidate Starts for Button_29:
(Start: 5 @21375 has 21 MA's), (10, 21441), (11, 21462), (15, 21543), (19, 21567), (22, 21675), (23, 21711), (28, 21780), (29, 21849), (35, 22032), (38, 22110), (61, 22422), (64, 22551), (65, 22554), (72, 22635), (74, 22659), (80, 22731), (91, 22818), (92, 22827), (96, 22875),

Gene: CherryonLim_30 Start: 23612, Stop: 25042, Start Num: 5
Candidate Starts for CherryonLim_30:
(Start: 5 @23612 has 21 MA's), (6, 23669), (8, 23696), (9, 23714), (14, 23816), (19, 23843), (20, 23867), (26, 23936), (30, 24041), (43, 24314), (44, 24332), (46, 24341), (51, 24386), (52, 24407), (66, 24692), (69, 24764), (75, 24836), (76, 24842), (79, 24866), (84, 24896), (86, 24905), (87, 24929), (88, 24938), (89, 24950), (93, 24971), (98, 25031),

Gene: ChewyVIII_34 Start: 16789, Stop: 18348, Start Num: 1
Candidate Starts for ChewyVIII_34:
(Start: 1 @16789 has 1 MA's), (2, 16807), (4, 16828), (12, 16978), (13, 17014), (18, 17074), (24, 17224), (34, 17446), (37, 17500), (62, 17965), (63, 17974), (68, 18025), (70, 18064), (83, 18184), (92, 18262), (94, 18268),

Gene: CocoaPuff_27 Start: 21829, Stop: 22914, Start Num: 5
Candidate Starts for CocoaPuff_27:
(Start: 5 @21829 has 21 MA's), (6, 21886), (8, 21913), (9, 21931), (14, 22033), (19, 22060), (20, 22084), (23, 22132), (26, 22153), (30, 22258), (43, 22531), (46, 22558),

Gene: ElJefes_27 Start: 22308, Stop: 23741, Start Num: 5
Candidate Starts for ElJefes_27:
(Start: 5 @22308 has 21 MA's), (6, 22365), (8, 22392), (9, 22410), (14, 22512), (19, 22539), (20, 22563), (26, 22632), (30, 22737), (43, 23010), (44, 23028), (46, 23037), (51, 23082), (52, 23103), (57, 23154), (66, 23388), (69, 23460), (71, 23463), (73, 23484), (77, 23544), (88, 23634), (89, 23646), (93, 23670), (98, 23730),

Gene: Elinal_30 Start: 22849, Stop: 24279, Start Num: 5
Candidate Starts for Elinal_30:
(3, 22822), (Start: 5 @22849 has 21 MA's), (7, 22921), (8, 22924), (14, 23044), (17, 23062), (19, 23071), (20, 23095), (21, 23116), (25, 23170), (43, 23551), (44, 23569), (46, 23578), (66, 23929), (71, 24004), (73, 24025), (77, 24085), (79, 24103), (81, 24124), (86, 24142), (88, 24175), (89, 24187), (93, 24208), (98, 24268),

Gene: Feastonyeet_27 Start: 21875, Stop: 23308, Start Num: 5
Candidate Starts for Feastonyeet_27:
(Start: 5 @21875 has 21 MA's), (6, 21932), (8, 21959), (9, 21977), (14, 22079), (19, 22106), (20, 22130), (26, 22199), (43, 22577), (44, 22595), (46, 22604), (51, 22649), (52, 22670), (66, 22955), (71, 23030), (76, 23105), (77, 23111), (79, 23129), (81, 23150), (86, 23168), (88, 23201), (89, 23213), (93, 23237), (95, 23264), (98, 23297),

Gene: GiKK_31 Start: 21674, Stop: 23182, Start Num: 5
Candidate Starts for GiKK_31:
(Start: 5 @21674 has 21 MA's), (10, 21740), (11, 21761), (15, 21842), (19, 21866), (23, 22010), (27, 22055), (28, 22079), (29, 22148), (35, 22331), (38, 22409), (50, 22544), (58, 22640), (59, 22649), (61, 22721), (64, 22850), (65, 22853), (72, 22934), (74, 22958), (80, 23030), (91, 23117), (92, 23126), (96, 23174),

Gene: Jamzy_31 Start: 21688, Stop: 23196, Start Num: 5
Candidate Starts for Jamzy_31:
(Start: 5 @21688 has 21 MA's), (10, 21754), (11, 21775), (15, 21856), (19, 21880), (23, 22024), (27, 22069), (28, 22093), (29, 22162), (35, 22345), (38, 22423), (61, 22735), (64, 22864), (65, 22867), (72, 22948), (74, 22972), (80, 23044), (91, 23131), (92, 23140), (96, 23188),

Gene: KayGee_29 Start: 22849, Stop: 24279, Start Num: 5
Candidate Starts for KayGee_29:
(3, 22822), (Start: 5 @22849 has 21 MA's), (7, 22921), (8, 22924), (14, 23044), (17, 23062), (19, 23071), (20, 23095), (21, 23116), (25, 23170), (43, 23551), (44, 23569), (46, 23578), (66, 23929), (71, 24004), (73, 24025), (77, 24085), (79, 24103), (81, 24124), (86, 24142), (88, 24175), (89, 24187), (93, 24208), (98, 24268),

Gene: Lauer_28 Start: 22905, Stop: 24338, Start Num: 5
Candidate Starts for Lauer_28:
(Start: 5 @22905 has 21 MA's), (6, 22962), (8, 22989), (9, 23007), (14, 23109), (19, 23136), (20, 23160), (23, 23208), (26, 23229), (30, 23334), (43, 23607), (44, 23625), (46, 23634), (51, 23679), (52, 23700), (55, 23727), (57, 23751), (66, 23985), (69, 24057), (71, 24060), (75, 24129), (76, 24135), (79, 24159), (88, 24231), (89, 24243), (93, 24267), (98, 24327),

Gene: MAnor_29 Start: 22872, Stop: 24305, Start Num: 5
Candidate Starts for MAnor_29:
(Start: 5 @22872 has 21 MA's), (6, 22929), (8, 22956), (9, 22974), (14, 23076), (19, 23103), (20, 23127), (23, 23175), (26, 23196), (30, 23301), (43, 23574), (44, 23592), (46, 23601), (51, 23646), (52, 23667), (57, 23718), (66, 23952), (69, 24024), (71, 24027), (73, 24048), (77, 24108), (79, 24126), (88, 24198), (89, 24210), (93, 24234), (98, 24294),

Gene: Margaret_32 Start: 21886, Stop: 23523, Start Num: 5
Candidate Starts for Margaret_32:
(Start: 5 @21886 has 21 MA's), (10, 21952), (11, 21973), (32, 22327), (35, 22471), (39, 22564), (51, 22690), (67, 23020), (81, 23191), (82, 23194), (85, 23203), (90, 23260), (97, 23329), (98, 23335), (99, 23359), (101, 23407), (102, 23413), (103, 23494), (104, 23509),

Gene: Mayweather_30 Start: 23488, Stop: 24921, Start Num: 5
Candidate Starts for Mayweather_30:
(Start: 5 @23488 has 21 MA's), (6, 23545), (8, 23572), (9, 23590), (14, 23692), (19, 23719), (20, 23743), (23, 23791), (26, 23812), (30, 23917), (43, 24190), (44, 24208), (46, 24217), (51, 24262), (52, 24283), (57, 24334), (66, 24568), (69, 24640), (71, 24643), (73, 24664), (77, 24724), (79, 24742), (88, 24814), (89, 24826), (93, 24850), (98, 24910),

Gene: McDazzle_27 Start: 22302, Stop: 23735, Start Num: 5
Candidate Starts for McDazzle_27:
(Start: 5 @22302 has 21 MA's), (6, 22359), (8, 22386), (9, 22404), (14, 22506), (19, 22533), (20, 22557), (26, 22626), (30, 22731), (43, 23004), (44, 23022), (46, 23031), (51, 23076), (52, 23097), (57, 23148), (66, 23382), (69, 23454), (71, 23457), (73, 23478), (77, 23538), (88, 23628), (89, 23640), (93, 23664), (98, 23724),

Gene: Pons_29 Start: 22861, Stop: 24294, Start Num: 5
Candidate Starts for Pons_29:
(Start: 5 @22861 has 21 MA's), (6, 22918), (8, 22945), (9, 22963), (14, 23065), (19, 23092), (20, 23116), (23, 23164), (26, 23185), (30, 23290), (43, 23563), (44, 23581), (46, 23590), (51, 23635), (52, 23656), (57, 23707), (66, 23941), (69, 24013), (71, 24016), (73, 24037), (77, 24097), (79, 24115), (88,

24187), (89, 24199), (93, 24223), (98, 24283),

Gene: RanchParmCat_31 Start: 22019, Stop: 23728, Start Num: 5
Candidate Starts for RanchParmCat_31:
(Start: 5 @22019 has 21 MA's), (10, 22085), (11, 22106), (15, 22187), (23, 22355), (27, 22400), (28, 22424), (29, 22493), (35, 22676), (38, 22754), (50, 22889), (58, 22985), (59, 22994), (61, 23066), (67, 23225), (78, 23363), (82, 23399), (85, 23408), (90, 23465), (98, 23540), (99, 23564), (100, 23600), (101, 23612), (102, 23618), (103, 23699), (104, 23714),

Gene: SheckWes_28 Start: 21838, Stop: 23271, Start Num: 5
Candidate Starts for SheckWes_28:
(Start: 5 @21838 has 21 MA's), (6, 21895), (8, 21922), (9, 21940), (14, 22042), (19, 22069), (20, 22093), (26, 22162), (30, 22267), (43, 22540), (44, 22558), (46, 22567), (51, 22612), (52, 22633), (57, 22684), (66, 22918), (69, 22990), (71, 22993), (73, 23014), (77, 23074), (88, 23164), (89, 23176), (93, 23200), (98, 23260),

Gene: SummitAcademy_28 Start: 21914, Stop: 23344, Start Num: 5
Candidate Starts for SummitAcademy_28:
(Start: 5 @21914 has 21 MA's), (6, 21971), (8, 21998), (9, 22016), (14, 22118), (19, 22145), (20, 22169), (26, 22238), (30, 22343), (43, 22616), (44, 22634), (46, 22643), (51, 22688), (52, 22709), (66, 22994), (71, 23069), (73, 23090), (77, 23150), (79, 23168), (88, 23240), (89, 23252), (93, 23273), (98, 23333),

Gene: Tarnish_29 Start: 23229, Stop: 24662, Start Num: 5
Candidate Starts for Tarnish_29:
(Start: 5 @23229 has 21 MA's), (6, 23286), (8, 23313), (9, 23331), (14, 23433), (19, 23460), (20, 23484), (23, 23532), (26, 23553), (30, 23658), (43, 23931), (44, 23949), (46, 23958), (51, 24003), (52, 24024), (57, 24075), (66, 24309), (69, 24381), (71, 24384), (73, 24405), (77, 24465), (79, 24483), (88, 24555), (89, 24567), (93, 24591), (98, 24651),

Gene: Vine_29 Start: 22832, Stop: 24265, Start Num: 5
Candidate Starts for Vine_29:
(3, 22805), (Start: 5 @22832 has 21 MA's), (7, 22904), (8, 22907), (14, 23027), (17, 23045), (19, 23054), (20, 23078), (21, 23099), (25, 23153), (30, 23261), (43, 23534), (44, 23552), (45, 23555), (46, 23561), (71, 23987), (77, 24068), (79, 24086), (88, 24158), (89, 24170), (93, 24194), (95, 24221), (98, 24254),

Gene: Yakult_30 Start: 21737, Stop: 23446, Start Num: 5
Candidate Starts for Yakult_30:
(Start: 5 @21737 has 21 MA's), (10, 21803), (11, 21824), (15, 21905), (23, 22073), (27, 22118), (28, 22142), (29, 22211), (35, 22394), (38, 22472), (50, 22607), (58, 22703), (59, 22712), (61, 22784), (67, 22943), (78, 23081), (82, 23117), (85, 23126), (90, 23183), (98, 23258), (99, 23282), (100, 23318), (101, 23330), (102, 23336), (103, 23417), (104, 23432),

Gene: Yucky_28 Start: 22691, Stop: 24124, Start Num: 5
Candidate Starts for Yucky_28:
(3, 22664), (Start: 5 @22691 has 21 MA's), (7, 22763), (8, 22766), (14, 22886), (17, 22904), (19, 22913), (20, 22937), (21, 22958), (43, 23393), (44, 23411), (46, 23420), (71, 23846), (77, 23927), (79, 23945), (81, 23966), (86, 23984), (88, 24017), (89, 24029), (93, 24053), (95, 24080), (98, 24113),