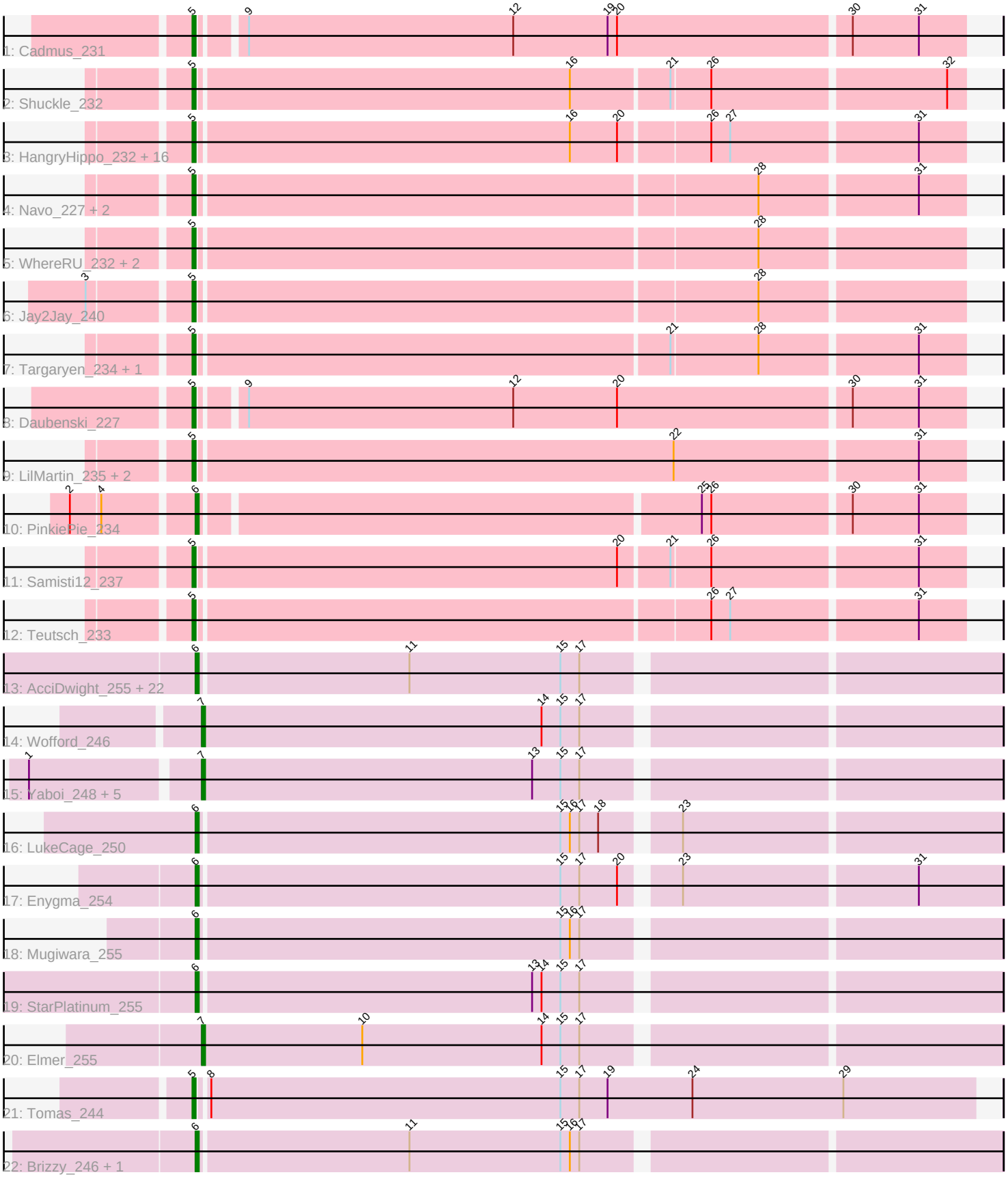
Pham 347564


1: Cadmus_231
2: Shuckle_232
3: HangryHippo_232 + 16
4: Navo_227 + 2
5: WhereRU_232 + 2
6: Jay2Jay_240
7: Targaryen_234 + 1
8: Daubenski_227
9: LilMartin_235 + 2
10: PinkiePie_234
11: Samisti12_237
12: Teutsch_233
13: AcciDwight_255 + 22
14: Wofford_246
15: Yaboi_248 + 5
16: LukeCage_250
17: Enygma_254
18: Mugiwara_255
19: StarPlatinum_255
20: Elmer_255
21: Tomas_244
22: Brizzy_246 + 1

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 347564 Report

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

Pham number 347564 has 73 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Cadmus_231
• Track 2 : Shuckle_232
• Track 3 : HangryHippo_232, Pepperwood_234, Leo04_234, Cross_233, WashU_228, Cursive_237, Watermoore_233, ArianaSWT_237, Lululemon_231, Tribute_230, Peebs_231, BlueOtter_232, Sushi23_235, Coogler_231, PacManQ_231, Scheme_237, Larnav_234
• Track 4 : Navo_227, Braelyn_229, Mildred21_245
• Track 5 : WhereRU_232, Warpy_237, Davielle_232
• Track 6 : Jay2Jay_240
• Track 7 : Targaryen_234, Evy_224
• Track 8 : Daubenski_227
• Track 9 : LilMartin_235, MulchMansion_239, Angela_239
• Track 10 : PinkiePie_234
• Track 11 : Samisti12_237
• Track 12 : Teutsch_233
• Track 13 : AcciDwight_255, IchabodCrane_241, Quaran19_247, Rikishi_248, Gibbi_255, Jollison_244, JimJam_254, Spelly_252, CeilingFan_251, KentuckyRacer_253, PumpkinSpice_250, Battuta_245, Tuesday_254, Amabiko_251, Wipeout_237, Bordeaux_245, Spilled_254, Daisy123_249, TomSawyer_251, Starbow_244, SaltySpitoon_247, Birchlyn_246, MindFlayer_240
• Track 14 : Wofford_246
• Track 15 : Yaboi_248, Stanimal_243, BoomerJR_243, Genie2_243, AngryGiraffe_243, Sollertia_244
• Track 16 : LukeCage_250
• Track 17 : Enygma_254
• Track 18 : Mugiwara_255
• Track 19 : StarPlatinum_255
• Track 20 : Elmer_255
• Track 21 : Tomas_244
• Track 22 : Brizzy_246, Karimac_247

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 35 of the 70 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Angela_239, ArianaSWT_237, BlueOtter_232, Braelyn_229, Cadmus_231, Coogler_231, Cross_233, Cursive_237, Daubenski_227, Davielle_232, Evy_224, HangryHippo_232, Jay2Jay_240, Larnav_234, Leo04_234, LilMartin_235, Lululemon_231, Mildred21_245, MulchMansion_239, Navo_227, PacManQ_231, Peebs_231, Pepperwood_234, Samisti12_237, Scheme_237, Shuckle_232, Sushi23_235, Targaryen_234, Teutsch_233, Tomas_244, Tribute_230, Warpy_237, WashU_228, Watermoore_233, WhereRU_232,

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

Genes that do not have the "Most Annotated" start:
• AcciDwight_255, Amabiko_251, AngryGiraffe_243, Battuta_245, Birchlyn_246, BoomerJR_243, Bordeaux_245, Brizzy_246, CeilingFan_251, Daisy123_249, Elmer_255, Enygma_254, Genie2_243, Gibbi_255, IchabodCrane_241, JimJam_254, Jollison_244, Karimac_247, KentuckyRacer_253, LukeCage_250, MindFlayer_240, Mugiwara_255, PinkiePie_234, PumpkinSpice_250, Quaran19_247, Rikishi_248, SaltySpitoon_247, Sollertia_244, Spelly_252, Spilled_254, Stanimal_243, StarPlatinum_255, Starbow_244, TomSawyer_251, Tuesday_254, Wipeout_237, Wofford_246, Yaboi_248,

Summary by start number:

Start 5:
• Found in 35 of 73 (47.9%) of genes in pham
• Manual Annotations of this start: 35 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Angela_239 (BE1), ArianaSWT_237 (BE1), BlueOtter_232 (BE1), Braelyn_229 (BE1), Cadmus_231 (BE1), Coogler_231 (BE1), Cross_233 (BE1), Cursive_237 (BE1), Daubenski_227 (BE1), Davielle_232 (BE1), Evy_224 (BE1), HangryHippo_232 (BE1), Jay2Jay_240 (BE1), Larnav_234 (BE1), Leo04_234 (BE1), LilMartin_235 (BE1), Lululemon_231 (BE1), Mildred21_245 (BE1), MulchMansion_239 (BE1), Navo_227 (BE1), PacManQ_231 (BE1), Peebs_231 (BE1), Pepperwood_234 (BE1), Samisti12_237 (BE1), Scheme_237 (BE1), Shuckle_232 (BE1), Sushi23_235 (BE1), Targaryen_234 (BE1), Teutsch_233 (BE1), Tomas_244 (BE2), Tribute_230 (BE1), Warpy_237 (BE1), WashU_228 (BE1), Watermoore_233 (BE1), WhereRU_232 (BE1),

Start 6:
• Found in 30 of 73 (41.1%) of genes in pham
• Manual Annotations of this start: 27 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AcciDwight_255 (BE2), Amabiko_251 (BE2), Battuta_245 (BE2), Birchlyn_246 (BE2), Bordeaux_245 (BE2), Brizzy_246 (BE2), CeilingFan_251 (BE2), Daisy123_249 (BE2), Enygma_254 (BE2), Gibbi_255 (BE2), IchabodCrane_241 (BE2), JimJam_254 (BE2), Jollison_244 (BE2), Karimac_247 (BE2), KentuckyRacer_253 (BE2), LukeCage_250 (BE2), MindFlayer_240 (BE2), Mugiwara_255 (BE2), PinkiePie_234 (BE1), PumpkinSpice_250 (BE2), Quaran19_247 (BE2), Rikishi_248 (BE2),

SaltySpitoon_247 (BE2), Spelly_252 (BE2), Spilled_254 (BE2), StarPlatinum_255 (BE2), Starbow_244 (BE2), TomSawyer_251 (BE2), Tuesday_254 (BE2), Wipeout_237 (BE2),

Start 7:
• Found in 8 of 73 (11.0%) of genes in pham
• Manual Annotations of this start: 8 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AngryGiraffe_243 (BE2), BoomerJR_243 (BE2), Elmer_255 (BE2), Genie2_243 (BE2), Sollertia_244 (BE2), Stanimal_243 (BE2), Wofford_246 (BE2), Yaboi_248 (BE2),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 5 was manually annotated 34 times for cluster BE1.
•Start number 6 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 5 was manually annotated 1 time for cluster BE2.
•Start number 6 was manually annotated 26 times for cluster BE2.
•Start number 7 was manually annotated 8 times for cluster BE2.

Gene Information:

Gene: AcciDwight_255 Start: 114507, Stop: 114752, Start Num: 6
Candidate Starts for AcciDwight_255:
(Start: 6 @114507 has 27 MA's), (11, 114573), (15, 114621), (17, 114627),

Gene: Amabiko_251 Start: 114325, Stop: 114570, Start Num: 6
Candidate Starts for Amabiko_251:
(Start: 6 @114325 has 27 MA's), (11, 114391), (15, 114439), (17, 114445),

Gene: Angela_239 Start: 116092, Stop: 116331, Start Num: 5
Candidate Starts for Angela_239:
(Start: 5 @116092 has 35 MA's), (22, 116242), (31, 116317),

Gene: AngryGiraffe_243 Start: 113629, Stop: 113874, Start Num: 7
Candidate Starts for AngryGiraffe_243:
(1, 113578), (Start: 7 @113629 has 8 MA's), (13, 113734), (15, 113743), (17, 113749),

Gene: ArianaSWT_237 Start: 117271, Stop: 117507, Start Num: 5
Candidate Starts for ArianaSWT_237:
(Start: 5 @117271 has 35 MA's), (16, 117388), (20, 117403), (26, 117430), (27, 117436), (31, 117493),

Gene: Battuta_245 Start: 113640, Stop: 113885, Start Num: 6
Candidate Starts for Battuta_245:
(Start: 6 @113640 has 27 MA's), (11, 113706), (15, 113754), (17, 113760),

Gene: Birchlyn_246 Start: 111573, Stop: 111818, Start Num: 6
Candidate Starts for Birchlyn_246:
(Start: 6 @111573 has 27 MA's), (11, 111639), (15, 111687), (17, 111693),

Gene: BlueOtter_232 Start: 115524, Stop: 115760, Start Num: 5
Candidate Starts for BlueOtter_232:
(Start: 5 @115524 has 35 MA's), (16, 115641), (20, 115656), (26, 115683), (27, 115689), (31, 115746),

Gene: BoomerJR_243 Start: 114062, Stop: 114307, Start Num: 7
Candidate Starts for BoomerJR_243:
(1, 114011), (Start: 7 @114062 has 8 MA's), (13, 114167), (15, 114176), (17, 114182),

Gene: Bordeaux_245 Start: 114223, Stop: 114468, Start Num: 6
Candidate Starts for Bordeaux_245:
(Start: 6 @114223 has 27 MA's), (11, 114289), (15, 114337), (17, 114343),

Gene: Braelyn_229 Start: 114821, Stop: 115057, Start Num: 5
Candidate Starts for Braelyn_229:
(Start: 5 @114821 has 35 MA's), (28, 114995), (31, 115043),

Gene: Brizzy_246 Start: 114751, Stop: 114996, Start Num: 6
Candidate Starts for Brizzy_246:
(Start: 6 @114751 has 27 MA's), (11, 114817), (15, 114865), (16, 114868), (17, 114871),

Gene: Cadmus_231 Start: 116533, Stop: 116769, Start Num: 5
Candidate Starts for Cadmus_231:
(Start: 5 @116533 has 35 MA's), (9, 116545), (12, 116629), (19, 116659), (20, 116662), (30, 116734), (31, 116755),

Gene: CeilingFan_251 Start: 115018, Stop: 115263, Start Num: 6
Candidate Starts for CeilingFan_251:
(Start: 6 @115018 has 27 MA's), (11, 115084), (15, 115132), (17, 115138),

Gene: Coogler_231 Start: 115949, Stop: 116185, Start Num: 5
Candidate Starts for Coogler_231:
(Start: 5 @115949 has 35 MA's), (16, 116066), (20, 116081), (26, 116108), (27, 116114), (31, 116171),

Gene: Cross_233 Start: 116169, Stop: 116405, Start Num: 5
Candidate Starts for Cross_233:
(Start: 5 @116169 has 35 MA's), (16, 116286), (20, 116301), (26, 116328), (27, 116334), (31, 116391),

Gene: Cursive_237 Start: 116276, Stop: 116512, Start Num: 5
Candidate Starts for Cursive_237:
(Start: 5 @116276 has 35 MA's), (16, 116393), (20, 116408), (26, 116435), (27, 116441), (31, 116498),

Gene: Daisy123_249 Start: 114880, Stop: 115125, Start Num: 6
Candidate Starts for Daisy123_249:
(Start: 6 @114880 has 27 MA's), (11, 114946), (15, 114994), (17, 115000),

Gene: Daubenski_227 Start: 116434, Stop: 116670, Start Num: 5
Candidate Starts for Daubenski_227:
(Start: 5 @116434 has 35 MA's), (9, 116446), (12, 116530), (20, 116563), (30, 116635), (31, 116656),

Gene: Davielle_232 Start: 115219, Stop: 115455, Start Num: 5
Candidate Starts for Davielle_232:
(Start: 5 @115219 has 35 MA's), (28, 115393),

Gene: Elmer_255 Start: 117783, Stop: 118028, Start Num: 7
Candidate Starts for Elmer_255:
(Start: 7 @117783 has 8 MA's), (10, 117834), (14, 117891), (15, 117897), (17, 117903),

Gene: Enygma_254 Start: 117015, Stop: 117260, Start Num: 6
Candidate Starts for Enygma_254:
(Start: 6 @117015 has 27 MA's), (15, 117129), (17, 117135), (20, 117147), (23, 117162), (31, 117234),

Gene: Evy_224 Start: 116345, Stop: 116581, Start Num: 5
Candidate Starts for Evy_224:
(Start: 5 @116345 has 35 MA's), (21, 116492), (28, 116519), (31, 116567),

Gene: Genie2_243 Start: 114187, Stop: 114432, Start Num: 7
Candidate Starts for Genie2_243:
(1, 114136), (Start: 7 @114187 has 8 MA's), (13, 114292), (15, 114301), (17, 114307),

Gene: Gibbi_255 Start: 114511, Stop: 114756, Start Num: 6
Candidate Starts for Gibbi_255:
(Start: 6 @114511 has 27 MA's), (11, 114577), (15, 114625), (17, 114631),

Gene: HangryHippo_232 Start: 115524, Stop: 115760, Start Num: 5
Candidate Starts for HangryHippo_232:
(Start: 5 @115524 has 35 MA's), (16, 115641), (20, 115656), (26, 115683), (27, 115689), (31, 115746),

Gene: IchabodCrane_241 Start: 114026, Stop: 114271, Start Num: 6
Candidate Starts for IchabodCrane_241:
(Start: 6 @114026 has 27 MA's), (11, 114092), (15, 114140), (17, 114146),

Gene: Jay2Jay_240 Start: 116493, Stop: 116729, Start Num: 5
Candidate Starts for Jay2Jay_240:
(3, 116463), (Start: 5 @116493 has 35 MA's), (28, 116667),

Gene: JimJam_254 Start: 115947, Stop: 116192, Start Num: 6
Candidate Starts for JimJam_254:
(Start: 6 @115947 has 27 MA's), (11, 116013), (15, 116061), (17, 116067),

Gene: Jollison_244 Start: 114157, Stop: 114402, Start Num: 6
Candidate Starts for Jollison_244:
(Start: 6 @114157 has 27 MA's), (11, 114223), (15, 114271), (17, 114277),

Gene: Karimac_247 Start: 114342, Stop: 114587, Start Num: 6
Candidate Starts for Karimac_247:
(Start: 6 @114342 has 27 MA's), (11, 114408), (15, 114456), (16, 114459), (17, 114462),

Gene: KentuckyRacer_253 Start: 115862, Stop: 116107, Start Num: 6
Candidate Starts for KentuckyRacer_253:
(Start: 6 @115862 has 27 MA's), (11, 115928), (15, 115976), (17, 115982),

Gene: Larnav_234 Start: 116442, Stop: 116678, Start Num: 5

Candidate Starts for Larnav_234:
(Start: 5 @116442 has 35 MA's), (16, 116559), (20, 116574), (26, 116601), (27, 116607), (31, 116664),

Gene: Leo04_234 Start: 116550, Stop: 116786, Start Num: 5
Candidate Starts for Leo04_234:
(Start: 5 @116550 has 35 MA's), (16, 116667), (20, 116682), (26, 116709), (27, 116715), (31, 116772),

Gene: LilMartin_235 Start: 115032, Stop: 115271, Start Num: 5
Candidate Starts for LilMartin_235:
(Start: 5 @115032 has 35 MA's), (22, 115182), (31, 115257),

Gene: LukeCage_250 Start: 116187, Stop: 116432, Start Num: 6
Candidate Starts for LukeCage_250:
(Start: 6 @116187 has 27 MA's), (15, 116301), (16, 116304), (17, 116307), (18, 116313), (23, 116334),

Gene: Lululemon_231 Start: 115329, Stop: 115565, Start Num: 5
Candidate Starts for Lululemon_231:
(Start: 5 @115329 has 35 MA's), (16, 115446), (20, 115461), (26, 115488), (27, 115494), (31, 115551),

Gene: Mildred21_245 Start: 114902, Stop: 115138, Start Num: 5
Candidate Starts for Mildred21_245:
(Start: 5 @114902 has 35 MA's), (28, 115076), (31, 115124),

Gene: MindFlayer_240 Start: 113542, Stop: 113787, Start Num: 6
Candidate Starts for MindFlayer_240:
(Start: 6 @113542 has 27 MA's), (11, 113608), (15, 113656), (17, 113662),

Gene: Mugiwara_255 Start: 116893, Stop: 117138, Start Num: 6
Candidate Starts for Mugiwara_255:
(Start: 6 @116893 has 27 MA's), (15, 117007), (16, 117010), (17, 117013),

Gene: MulchMansion_239 Start: 116666, Stop: 116905, Start Num: 5
Candidate Starts for MulchMansion_239:
(Start: 5 @116666 has 35 MA's), (22, 116816), (31, 116891),

Gene: Navo_227 Start: 114025, Stop: 114261, Start Num: 5
Candidate Starts for Navo_227:
(Start: 5 @114025 has 35 MA's), (28, 114199), (31, 114247),

Gene: PacManQ_231 Start: 115329, Stop: 115565, Start Num: 5
Candidate Starts for PacManQ_231:
(Start: 5 @115329 has 35 MA's), (16, 115446), (20, 115461), (26, 115488), (27, 115494), (31, 115551),

Gene: Peebs_231 Start: 116413, Stop: 116649, Start Num: 5
Candidate Starts for Peebs_231:
(Start: 5 @116413 has 35 MA's), (16, 116530), (20, 116545), (26, 116572), (27, 116578), (31, 116635),

Gene: Pepperwood_234 Start: 116221, Stop: 116457, Start Num: 5
Candidate Starts for Pepperwood_234:
(Start: 5 @116221 has 35 MA's), (16, 116338), (20, 116353), (26, 116380), (27, 116386), (31, 116443),

Gene: PinkiePie_234 Start: 115886, Stop: 116119, Start Num: 6
Candidate Starts for PinkiePie_234:

(2, 115850), (4, 115859), (Start: 6 @115886 has 27 MA's), (25, 116039), (26, 116042), (30, 116084), (31, 116105),

Gene: PumpkinSpice_250 Start: 114763, Stop: 115008, Start Num: 6
Candidate Starts for PumpkinSpice_250:
(Start: 6 @114763 has 27 MA's), (11, 114829), (15, 114877), (17, 114883),

Gene: Quaran19_247 Start: 114204, Stop: 114449, Start Num: 6
Candidate Starts for Quaran19_247:
(Start: 6 @114204 has 27 MA's), (11, 114270), (15, 114318), (17, 114324),

Gene: Rikishi_248 Start: 114485, Stop: 114730, Start Num: 6
Candidate Starts for Rikishi_248:
(Start: 6 @114485 has 27 MA's), (11, 114551), (15, 114599), (17, 114605),

Gene: SaltySpitoon_247 Start: 113746, Stop: 113991, Start Num: 6
Candidate Starts for SaltySpitoon_247:
(Start: 6 @113746 has 27 MA's), (11, 113812), (15, 113860), (17, 113866),

Gene: Samisti12_237 Start: 117611, Stop: 117847, Start Num: 5
Candidate Starts for Samisti12_237:
(Start: 5 @117611 has 35 MA's), (20, 117743), (21, 117758), (26, 117770), (31, 117833),

Gene: Scheme_237 Start: 117460, Stop: 117696, Start Num: 5
Candidate Starts for Scheme_237:
(Start: 5 @117460 has 35 MA's), (16, 117577), (20, 117592), (26, 117619), (27, 117625), (31, 117682),

Gene: Shuckle_232 Start: 116561, Stop: 116797, Start Num: 5
Candidate Starts for Shuckle_232:
(Start: 5 @116561 has 35 MA's), (16, 116678), (21, 116708), (26, 116720), (32, 116792),

Gene: Sollertia_244 Start: 114176, Stop: 114421, Start Num: 7
Candidate Starts for Sollertia_244:
(1, 114125), (Start: 7 @114176 has 8 MA's), (13, 114281), (15, 114290), (17, 114296),

Gene: Spelly_252 Start: 113675, Stop: 113920, Start Num: 6
Candidate Starts for Spelly_252:
(Start: 6 @113675 has 27 MA's), (11, 113741), (15, 113789), (17, 113795),

Gene: Spilled_254 Start: 114879, Stop: 115124, Start Num: 6
Candidate Starts for Spilled_254:
(Start: 6 @114879 has 27 MA's), (11, 114945), (15, 114993), (17, 114999),

Gene: Stanimal_243 Start: 114548, Stop: 114793, Start Num: 7
Candidate Starts for Stanimal_243:
(1, 114497), (Start: 7 @114548 has 8 MA's), (13, 114653), (15, 114662), (17, 114668),

Gene: StarPlatinum_255 Start: 116963, Stop: 117208, Start Num: 6
Candidate Starts for StarPlatinum_255:
(Start: 6 @116963 has 27 MA's), (13, 117068), (14, 117071), (15, 117077), (17, 117083),

Gene: Starbow_244 Start: 113719, Stop: 113964, Start Num: 6
Candidate Starts for Starbow_244:

(Start: 6 @113719 has 27 MA's), (11, 113785), (15, 113833), (17, 113839),

Gene: Sushi23_235 Start: 117279, Stop: 117515, Start Num: 5
Candidate Starts for Sushi23_235:
(Start: 5 @117279 has 35 MA's), (16, 117396), (20, 117411), (26, 117438), (27, 117444), (31, 117501),

Gene: Targaryen_234 Start: 117453, Stop: 117689, Start Num: 5
Candidate Starts for Targaryen_234:
(Start: 5 @117453 has 35 MA's), (21, 117600), (28, 117627), (31, 117675),

Gene: Teutsch_233 Start: 116644, Stop: 116880, Start Num: 5
Candidate Starts for Teutsch_233:
(Start: 5 @116644 has 35 MA's), (26, 116803), (27, 116809), (31, 116866),

Gene: TomSawyer_251 Start: 116190, Stop: 116435, Start Num: 6
Candidate Starts for TomSawyer_251:
(Start: 6 @116190 has 27 MA's), (11, 116256), (15, 116304), (17, 116310),

Gene: Tomas_244 Start: 117284, Stop: 117529, Start Num: 5
Candidate Starts for Tomas_244:
(Start: 5 @117284 has 35 MA's), (8, 117287), (15, 117398), (17, 117404), (19, 117413), (24, 117440), (29, 117488),

Gene: Tribute_230 Start: 116809, Stop: 117045, Start Num: 5
Candidate Starts for Tribute_230:
(Start: 5 @116809 has 35 MA's), (16, 116926), (20, 116941), (26, 116968), (27, 116974), (31, 117031),

Gene: Tuesday_254 Start: 114730, Stop: 114975, Start Num: 6
Candidate Starts for Tuesday_254:
(Start: 6 @114730 has 27 MA's), (11, 114796), (15, 114844), (17, 114850),

Gene: Warpy_237 Start: 115938, Stop: 116174, Start Num: 5
Candidate Starts for Warpy_237:
(Start: 5 @115938 has 35 MA's), (28, 116112),

Gene: WashU_228 Start: 116431, Stop: 116667, Start Num: 5
Candidate Starts for WashU_228:
(Start: 5 @116431 has 35 MA's), (16, 116548), (20, 116563), (26, 116590), (27, 116596), (31, 116653),

Gene: Watermoore_233 Start: 117167, Stop: 117403, Start Num: 5
Candidate Starts for Watermoore_233:
(Start: 5 @117167 has 35 MA's), (16, 117284), (20, 117299), (26, 117326), (27, 117332), (31, 117389),

Gene: WhereRU_232 Start: 115204, Stop: 115440, Start Num: 5
Candidate Starts for WhereRU_232:
(Start: 5 @115204 has 35 MA's), (28, 115378),

Gene: Wipeout_237 Start: 115142, Stop: 115387, Start Num: 6
Candidate Starts for Wipeout_237:
(Start: 6 @115142 has 27 MA's), (11, 115208), (15, 115256), (17, 115262),

Gene: Wofford_246 Start: 117225, Stop: 117470, Start Num: 7
Candidate Starts for Wofford_246:

(Start: 7 @117225 has 8 MA's), (14, 117333), (15, 117339), (17, 117345),

Gene: Yaboi_248 Start: 114111, Stop: 114356, Start Num: 7
Candidate Starts for Yaboi_248:
(1, 114060), (Start: 7 @114111 has 8 MA's), (13, 114216), (15, 114225), (17, 114231),