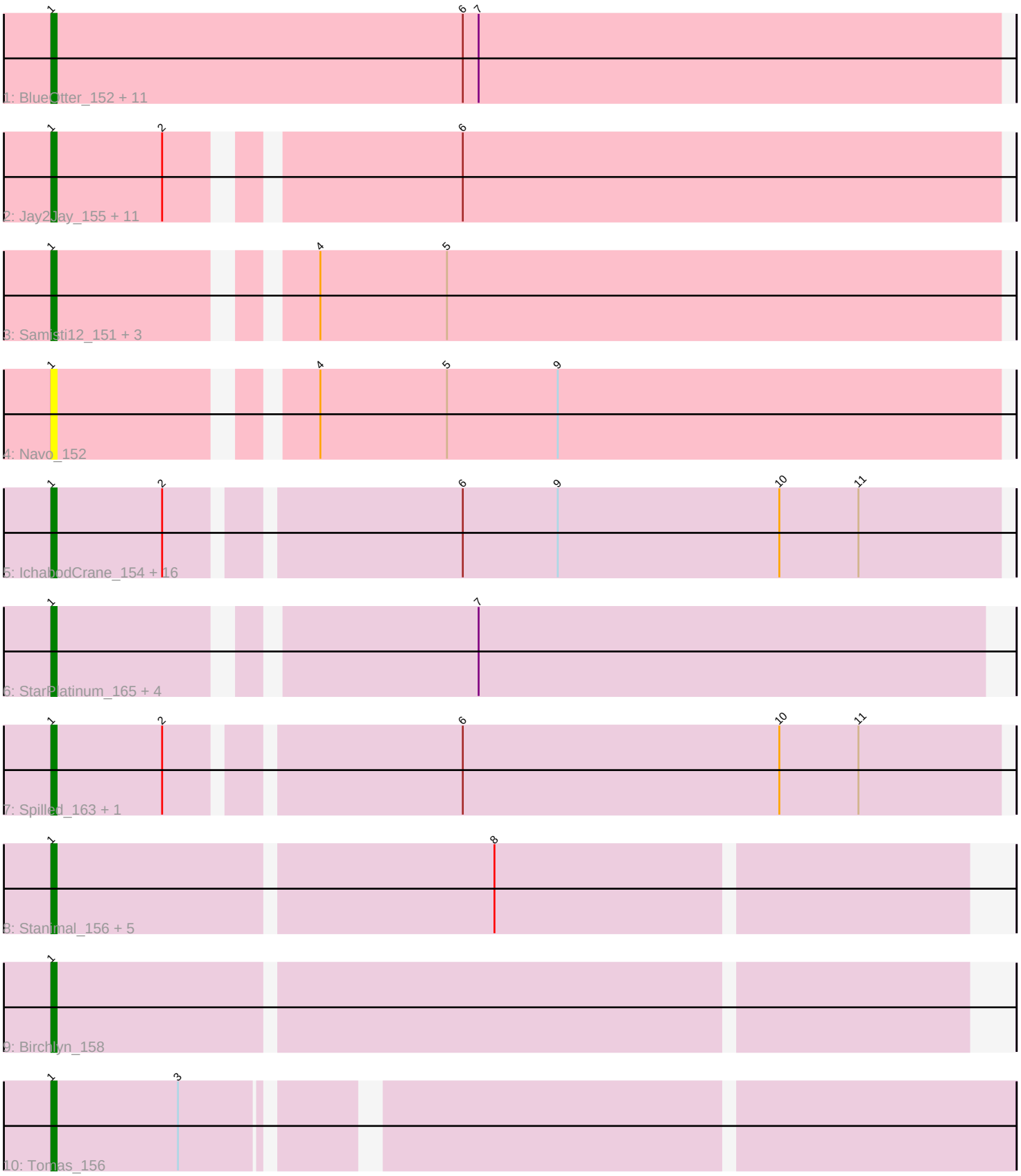
Pham 85759


1
6
7
1: BlueOtter_152 + 11
1
2
6
2: Jay2Jay_155 + 11
1
4
5
3: Samisti12_151 + 3
1
4
5
9
4: Navo_152
1
2
6
9
10
11
5: IchabodCrane_154 + 16
1
7
6: StarPlatinum_165 + 4
1
2
6
10
11
7: Spilled_163 + 1
1
8
8: Stanimal_156 + 5
1
9: Birchlyn_158
1
3
10: Tomas_156

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 85759 Report

This analysis was run 04/28/24 on database version 559.

Pham number 85759 has 61 members, 13 are drafts.

Phages represented in each track:
• Track 1 : BlueOtter_152, Teutsch_149, Leo04_151, Cursive_148, Pepperwood_149, HangryHippo_152, Lululemon_151, Tribute_149, Cross_150, PacManQ_151, EGole_152, Watermoore_149
• Track 2 : Jay2Jay_155, Persimmon_150, Liandry_149, PinkiePie_146, Targaryen_151, Bartholomune_149, Evy_146, Paradiddles_145, Braelyn_151, WhereRU_153, Warpy_154, Squillium_149
• Track 3 : Samisti12_151, Larnav_157, Peebs_147, Sushi23_149
• Track 4 : Navo_152
• Track 5 : IchabodCrane_154, Amabiko_159, Starbow_156, Bordeaux_158, Quaran19_159, Battuta_158, Spelly_161, Gibbi_166, Jollison_164, PumpkinSpice_161, SaltySpitoon_159, JimJam_164, CeilingFan_167, KentuckyRacer_167, MindFlayer_154, Wipeout_152, TomSawyer_161
• Track 6 : StarPlatinum_165, Elmer_171, Mugiwara_166, Enygma_161, Wofford_154
• Track 7 : Spilled_163, Karimac_157
• Track 8 : Stanimal_156, LukeCage_159, BoomerJR_158, Genie2_158, Sollertia_157, Yaboi_158
• Track 9 : Birchlyn_158
• Track 10 : Tomas_156

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

The start number called the most often in the published annotations is 1, it was called in 48 of the 48 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amabiko_159, Bartholomune_149, Battuta_158, Birchlyn_158, BlueOtter_152, BoomerJR_158, Bordeaux_158, Braelyn_151, CeilingFan_167, Cross_150, Cursive_148, EGole_152, Elmer_171, Enygma_161, Evy_146, Genie2_158, Gibbi_166, HangryHippo_152, IchabodCrane_154, Jay2Jay_155, JimJam_164, Jollison_164, Karimac_157, KentuckyRacer_167, Larnav_157, Leo04_151, Liandry_149, LukeCage_159, Lululemon_151, MindFlayer_154, Mugiwara_166, Navo_152, PacManQ_151, Paradiddles_145, Peebs_147, Pepperwood_149, Persimmon_150, PinkiePie_146, PumpkinSpice_161, Quaran19_159, SaltySpitoon_159, Samisti12_151, Sollertia_157, Spelly_161, Spilled_163,

Squillium_149, Stanimal_156, StarPlatinum_165, Starbow_156, Sushi23_149, Targaryen_151, Teutsch_149, TomSawyer_161, Tomas_156, Tribute_149, Warpy_154, Watermoore_149, WhereRU_153, Wipeout_152, Wofford_154, Yaboi_158,

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 1:
• Found in 61 of 61 (100.0%) of genes in pham
• Manual Annotations of this start: 48 of 48
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amabiko_159 (BE2), Bartholomune_149 (BE1), Battuta_158 (BE2), Birchlyn_158 (BE2), BlueOtter_152 (BE1), BoomerJR_158 (BE2), Bordeaux_158 (BE2), Braelyn_151 (BE1), CeilingFan_167 (BE2), Cross_150 (BE1), Cursive_148 (BE1), EGole_152 (BE1), Elmer_171 (BE2), Enygma_161 (BE2), Evy_146 (BE1), Genie2_158 (BE2), Gibbi_166 (BE2), HangryHippo_152 (BE1), IchabodCrane_154 (BE2), Jay2Jay_155 (BE1), JimJam_164 (BE2), Jollison_164 (BE2), Karimac_157 (BE2), KentuckyRacer_167 (BE2), Larnav_157 (BE1), Leo04_151 (BE1), Liandry_149 (BE1), LukeCage_159 (BE2), Lululemon_151 (BE1), MindFlayer_154 (BE2), Mugiwara_166 (BE2), Navo_152 (BE1), PacManQ_151 (BE1), Paradiddles_145 (BE1), Peebs_147 (BE1), Pepperwood_149 (BE1), Persimmon_150 (BE1), PinkiePie_146 (BE1), PumpkinSpice_161 (BE2), Quaran19_159 (BE2), SaltySpitoon_159 (BE2), Samisti12_151 (BE1), Sollertia_157 (BE2), Spelly_161 (BE2), Spilled_163 (BE2), Squillium_149 (BE1), Stanimal_156 (BE2), StarPlatinum_165 (BE2), Starbow_156 (BE2), Sushi23_149 (BE1), Targaryen_151 (BE1), Teutsch_149 (BE1), TomSawyer_161 (BE2), Tomas_156 (BE2), Tribute_149 (BE1), Warpy_154 (BE1), Watermoore_149 (BE1), WhereRU_153 (BE1), Wipeout_152 (BE2), Wofford_154 (BE2), Yaboi_158 (BE2),

Summary by clusters:

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

Info for manual annotations of cluster BE1:
•Start number 1 was manually annotated 22 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 1 was manually annotated 26 times for cluster BE2.

Gene Information:

Gene: Amabiko_159 Start: 88708, Stop: 88881, Start Num: 1
Candidate Starts for Amabiko_159:
(Start: 1 @88708 has 48 MA's), (2, 88729), (6, 88780), (9, 88798), (10, 88840), (11, 88855),

Gene: Bartholomune_149 Start: 87661, Stop: 87831, Start Num: 1
Candidate Starts for Bartholomune_149:
(Start: 1 @87661 has 48 MA's), (2, 87682), (6, 87730),

Gene: Battuta_158 Start: 88681, Stop: 88854, Start Num: 1
Candidate Starts for Battuta_158:
(Start: 1 @88681 has 48 MA's), (2, 88702), (6, 88753), (9, 88771), (10, 88813), (11, 88828),

Gene: Birchlyn_158 Start: 86568, Stop: 86735, Start Num: 1
Candidate Starts for Birchlyn_158:
(Start: 1 @86568 has 48 MA's),

Gene: BlueOtter_152 Start: 89722, Stop: 89901, Start Num: 1
Candidate Starts for BlueOtter_152:
(Start: 1 @89722 has 48 MA's), (6, 89800), (7, 89803),

Gene: BoomerJR_158 Start: 89330, Stop: 89497, Start Num: 1
Candidate Starts for BoomerJR_158:
(Start: 1 @89330 has 48 MA's), (8, 89411),

Gene: Bordeaux_158 Start: 89188, Stop: 89361, Start Num: 1
Candidate Starts for Bordeaux_158:
(Start: 1 @89188 has 48 MA's), (2, 89209), (6, 89260), (9, 89278), (10, 89320), (11, 89335),

Gene: Braelyn_151 Start: 88794, Stop: 88964, Start Num: 1
Candidate Starts for Braelyn_151:
(Start: 1 @88794 has 48 MA's), (2, 88815), (6, 88863),

Gene: CeilingFan_167 Start: 89214, Stop: 89387, Start Num: 1
Candidate Starts for CeilingFan_167:
(Start: 1 @89214 has 48 MA's), (2, 89235), (6, 89286), (9, 89304), (10, 89346), (11, 89361),

Gene: Cross_150 Start: 89723, Stop: 89902, Start Num: 1
Candidate Starts for Cross_150:
(Start: 1 @89723 has 48 MA's), (6, 89801), (7, 89804),

Gene: Cursive_148 Start: 87932, Stop: 88111, Start Num: 1
Candidate Starts for Cursive_148:
(Start: 1 @87932 has 48 MA's), (6, 88010), (7, 88013),

Gene: EGole_152 Start: 90995, Stop: 91174, Start Num: 1
Candidate Starts for EGole_152:
(Start: 1 @90995 has 48 MA's), (6, 91073), (7, 91076),

Gene: Elmer_171 Start: 92276, Stop: 92443, Start Num: 1
Candidate Starts for Elmer_171:
(Start: 1 @92276 has 48 MA's), (7, 92354),

Gene: Enygma_161 Start: 91104, Stop: 91271, Start Num: 1
Candidate Starts for Enygma_161:
(Start: 1 @91104 has 48 MA's), (7, 91182),

Gene: Evy_146 Start: 89729, Stop: 89899, Start Num: 1

Candidate Starts for Evy_146:
(Start: 1 @89729 has 48 MA's), (2, 89750), (6, 89798),

Gene: Genie2_158 Start: 89444, Stop: 89611, Start Num: 1
Candidate Starts for Genie2_158:
(Start: 1 @89444 has 48 MA's), (8, 89525),

Gene: Gibbi_166 Start: 89278, Stop: 89451, Start Num: 1
Candidate Starts for Gibbi_166:
(Start: 1 @89278 has 48 MA's), (2, 89299), (6, 89350), (9, 89368), (10, 89410), (11, 89425),

Gene: HangryHippo_152 Start: 89722, Stop: 89901, Start Num: 1
Candidate Starts for HangryHippo_152:
(Start: 1 @89722 has 48 MA's), (6, 89800), (7, 89803),

Gene: IchabodCrane_154 Start: 88409, Stop: 88582, Start Num: 1
Candidate Starts for IchabodCrane_154:
(Start: 1 @88409 has 48 MA's), (2, 88430), (6, 88481), (9, 88499), (10, 88541), (11, 88556),

Gene: Jay2Jay_155 Start: 90618, Stop: 90788, Start Num: 1
Candidate Starts for Jay2Jay_155:
(Start: 1 @90618 has 48 MA's), (2, 90639), (6, 90687),

Gene: JimJam_164 Start: 90044, Stop: 90217, Start Num: 1
Candidate Starts for JimJam_164:
(Start: 1 @90044 has 48 MA's), (2, 90065), (6, 90116), (9, 90134), (10, 90176), (11, 90191),

Gene: Jollison_164 Start: 89122, Stop: 89295, Start Num: 1
Candidate Starts for Jollison_164:
(Start: 1 @89122 has 48 MA's), (2, 89143), (6, 89194), (9, 89212), (10, 89254), (11, 89269),

Gene: Karimac_157 Start: 88947, Stop: 89120, Start Num: 1
Candidate Starts for Karimac_157:
(Start: 1 @88947 has 48 MA's), (2, 88968), (6, 89019), (10, 89079), (11, 89094),

Gene: KentuckyRacer_167 Start: 90059, Stop: 90232, Start Num: 1
Candidate Starts for KentuckyRacer_167:
(Start: 1 @90059 has 48 MA's), (2, 90080), (6, 90131), (9, 90149), (10, 90191), (11, 90206),

Gene: Larnav_157 Start: 89706, Stop: 89876, Start Num: 1
Candidate Starts for Larnav_157:
(Start: 1 @89706 has 48 MA's), (4, 89748), (5, 89772),

Gene: Leo04_151 Start: 90222, Stop: 90401, Start Num: 1
Candidate Starts for Leo04_151:
(Start: 1 @90222 has 48 MA's), (6, 90300), (7, 90303),

Gene: Liandry_149 Start: 88404, Stop: 88574, Start Num: 1
Candidate Starts for Liandry_149:
(Start: 1 @88404 has 48 MA's), (2, 88425), (6, 88473),

Gene: LukeCage_159 Start: 90224, Stop: 90391, Start Num: 1
Candidate Starts for LukeCage_159:

(Start: 1 @90224 has 48 MA's), (8, 90305),

Gene: Lululemon_151 Start: 89103, Stop: 89282, Start Num: 1
Candidate Starts for Lululemon_151:
(Start: 1 @89103 has 48 MA's), (6, 89181), (7, 89184),

Gene: MindFlayer_154 Start: 88316, Stop: 88489, Start Num: 1
Candidate Starts for MindFlayer_154:
(Start: 1 @88316 has 48 MA's), (2, 88337), (6, 88388), (9, 88406), (10, 88448), (11, 88463),

Gene: Mugiwara_166 Start: 89827, Stop: 89994, Start Num: 1
Candidate Starts for Mugiwara_166:
(Start: 1 @89827 has 48 MA's), (7, 89905),

Gene: Navo_152 Start: 88303, Stop: 88473, Start Num: 1
Candidate Starts for Navo_152:
(Start: 1 @88303 has 48 MA's), (4, 88345), (5, 88369), (9, 88390),

Gene: PacManQ_151 Start: 89103, Stop: 89282, Start Num: 1
Candidate Starts for PacManQ_151:
(Start: 1 @89103 has 48 MA's), (6, 89181), (7, 89184),

Gene: Paradiddles_145 Start: 89601, Stop: 89771, Start Num: 1
Candidate Starts for Paradiddles_145:
(Start: 1 @89601 has 48 MA's), (2, 89622), (6, 89670),

Gene: Peebs_147 Start: 89410, Stop: 89580, Start Num: 1
Candidate Starts for Peebs_147:
(Start: 1 @89410 has 48 MA's), (4, 89452), (5, 89476),

Gene: Pepperwood_149 Start: 89542, Stop: 89721, Start Num: 1
Candidate Starts for Pepperwood_149:
(Start: 1 @89542 has 48 MA's), (6, 89620), (7, 89623),

Gene: Persimmon_150 Start: 87694, Stop: 87864, Start Num: 1
Candidate Starts for Persimmon_150:
(Start: 1 @87694 has 48 MA's), (2, 87715), (6, 87763),

Gene: PinkiePie_146 Start: 88404, Stop: 88574, Start Num: 1
Candidate Starts for PinkiePie_146:
(Start: 1 @88404 has 48 MA's), (2, 88425), (6, 88473),

Gene: PumpkinSpice_161 Start: 89728, Stop: 89901, Start Num: 1
Candidate Starts for PumpkinSpice_161:
(Start: 1 @89728 has 48 MA's), (2, 89749), (6, 89800), (9, 89818), (10, 89860), (11, 89875),

Gene: Quaran19_159 Start: 88698, Stop: 88871, Start Num: 1
Candidate Starts for Quaran19_159:
(Start: 1 @88698 has 48 MA's), (2, 88719), (6, 88770), (9, 88788), (10, 88830), (11, 88845),

Gene: SaltySpitoon_159 Start: 88711, Stop: 88884, Start Num: 1
Candidate Starts for SaltySpitoon_159:
(Start: 1 @88711 has 48 MA's), (2, 88732), (6, 88783), (9, 88801), (10, 88843), (11, 88858),

Gene: Samisti12_151 Start: 90794, Stop: 90964, Start Num: 1
Candidate Starts for Samisti12_151:
(Start: 1 @90794 has 48 MA's), (4, 90836), (5, 90860),

Gene: Sollertia_157 Start: 89444, Stop: 89611, Start Num: 1
Candidate Starts for Sollertia_157:
(Start: 1 @89444 has 48 MA's), (8, 89525),

Gene: Spelly_161 Start: 88661, Stop: 88834, Start Num: 1
Candidate Starts for Spelly_161:
(Start: 1 @88661 has 48 MA's), (2, 88682), (6, 88733), (9, 88751), (10, 88793), (11, 88808),

Gene: Spilled_163 Start: 89239, Stop: 89412, Start Num: 1
Candidate Starts for Spilled_163:
(Start: 1 @89239 has 48 MA's), (2, 89260), (6, 89311), (10, 89371), (11, 89386),

Gene: Squillium_149 Start: 88406, Stop: 88576, Start Num: 1
Candidate Starts for Squillium_149:
(Start: 1 @88406 has 48 MA's), (2, 88427), (6, 88475),

Gene: Stanimal_156 Start: 89333, Stop: 89500, Start Num: 1
Candidate Starts for Stanimal_156:
(Start: 1 @89333 has 48 MA's), (8, 89414),

Gene: StarPlatinum_165 Start: 91407, Stop: 91574, Start Num: 1
Candidate Starts for StarPlatinum_165:
(Start: 1 @91407 has 48 MA's), (7, 91479),

Gene: Starbow_156 Start: 88684, Stop: 88857, Start Num: 1
Candidate Starts for Starbow_156:
(Start: 1 @88684 has 48 MA's), (2, 88705), (6, 88756), (9, 88774), (10, 88816), (11, 88831),

Gene: Sushi23_149 Start: 89767, Stop: 89937, Start Num: 1
Candidate Starts for Sushi23_149:
(Start: 1 @89767 has 48 MA's), (4, 89809), (5, 89833),

Gene: Targaryen_151 Start: 90864, Stop: 91034, Start Num: 1
Candidate Starts for Targaryen_151:
(Start: 1 @90864 has 48 MA's), (2, 90885), (6, 90933),

Gene: Teutsch_149 Start: 90081, Stop: 90260, Start Num: 1
Candidate Starts for Teutsch_149:
(Start: 1 @90081 has 48 MA's), (6, 90159), (7, 90162),

Gene: TomSawyer_161 Start: 89702, Stop: 89875, Start Num: 1
Candidate Starts for TomSawyer_161:
(Start: 1 @89702 has 48 MA's), (2, 89723), (6, 89774), (9, 89792), (10, 89834), (11, 89849),

Gene: Tomas_156 Start: 90873, Stop: 91043, Start Num: 1
Candidate Starts for Tomas_156:
(Start: 1 @90873 has 48 MA's), (3, 90897),

Gene: Tribute_149 Start: 89928, Stop: 90107, Start Num: 1
Candidate Starts for Tribute_149:
(Start: 1 @89928 has 48 MA's), (6, 90006), (7, 90009),

Gene: Warpy_154 Start: 90277, Stop: 90447, Start Num: 1
Candidate Starts for Warpy_154:
(Start: 1 @90277 has 48 MA's), (2, 90298), (6, 90346),

Gene: Watermoore_149 Start: 90294, Stop: 90473, Start Num: 1
Candidate Starts for Watermoore_149:
(Start: 1 @90294 has 48 MA's), (6, 90372), (7, 90375),

Gene: WhereRU_153 Start: 88446, Stop: 88616, Start Num: 1
Candidate Starts for WhereRU_153:
(Start: 1 @88446 has 48 MA's), (2, 88467), (6, 88515),

Gene: Wipeout_152 Start: 89511, Stop: 89684, Start Num: 1
Candidate Starts for Wipeout_152:
(Start: 1 @89511 has 48 MA's), (2, 89532), (6, 89583), (9, 89601), (10, 89643), (11, 89658),

Gene: Wofford_154 Start: 91434, Stop: 91601, Start Num: 1
Candidate Starts for Wofford_154:
(Start: 1 @91434 has 48 MA's), (7, 91512),

Gene: Yaboi_158 Start: 88907, Stop: 89074, Start Num: 1
Candidate Starts for Yaboi_158:
(Start: 1 @88907 has 48 MA's), (8, 88988),