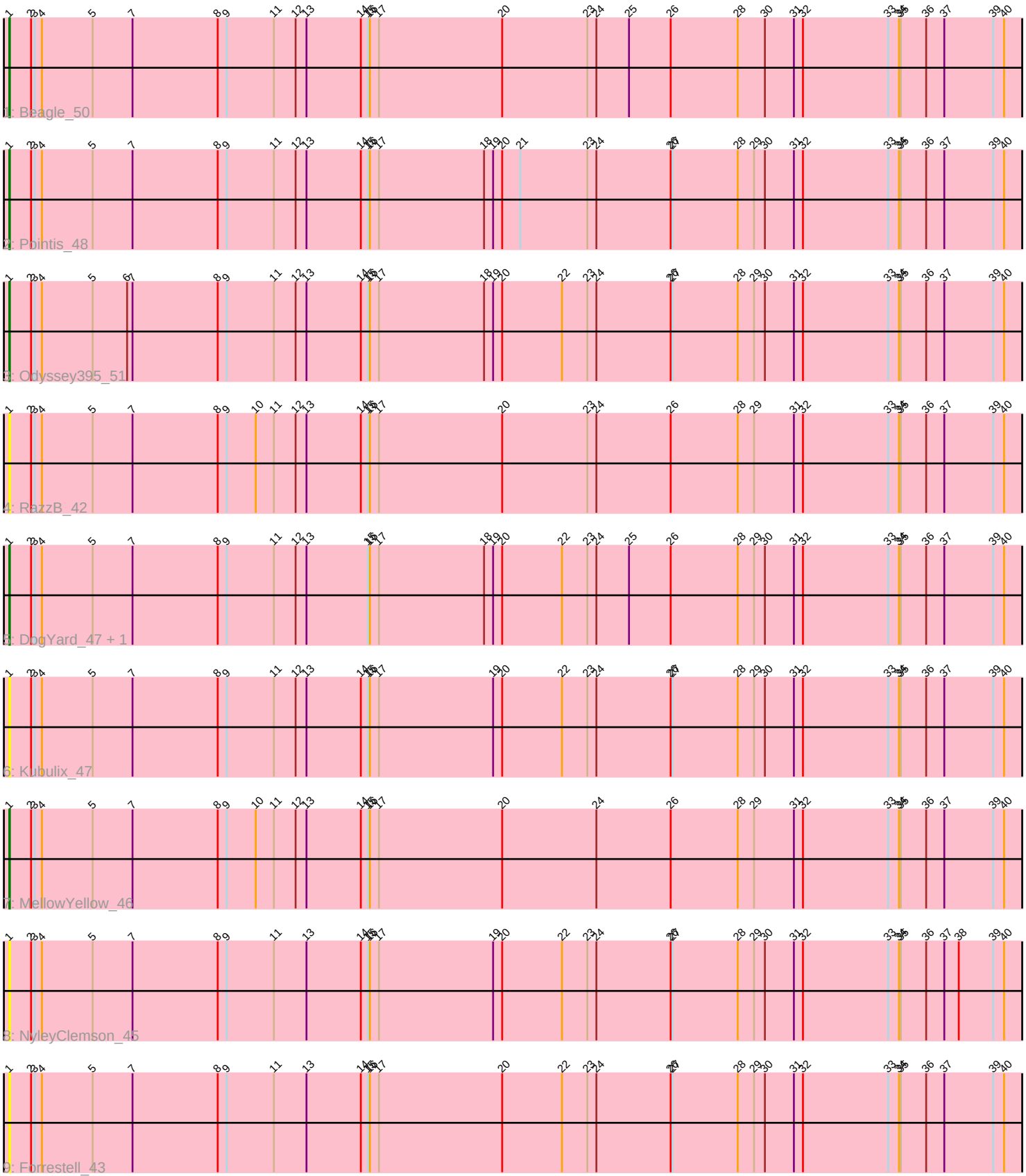
Pham 200832


1: Beagle_50
2: Pointis_48
3: Odyssey395_51
4: RazzB_42
5: DogYard_47 + 1
6: Kubulix_47
7: MellowYellow_46
8: NyleyClemson_45
9: Forrestell_43

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 200832 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200832 has 10 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Beagle_50
• Track 2 : Pointis_48
• Track 3 : Odyssey395_51
• Track 4 : RazzB_42
• Track 5 : DogYard_47, Pureglobe5_50
• Track 6 : Kubulix_47
• Track 7 : MellowYellow_46
• Track 8 : NyleyClemson_45
• Track 9 : Forrestell_43

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 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_50, DogYard_47, Forrestell_43, Kubulix_47, MellowYellow_46, NyleyClemson_45, Odyssey395_51, Pointis_48, Pureglobe5_50, RazzB_42,

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 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beagle_50 (AP2), DogYard_47 (AP2), Forrestell_43 (AP2), Kubulix_47 (AP2), MellowYellow_46 (AP2), NyleyClemson_45 (AP2), Odyssey395_51 (AP2), Pointis_48 (AP2), Pureglobe5_50 (AP2), RazzB_42

(AP2),

Summary by clusters:

There is one cluster represented in this pham: AP2

Info for manual annotations of cluster AP2:
•Start number 1 was manually annotated 5 times for cluster AP2.

Gene Information:

Gene: Beagle_50 Start: 35979, Stop: 37676, Start Num: 1
Candidate Starts for Beagle_50:
(Start: 1 @35979 has 5 MA's), (2, 36015), (3, 36021), (4, 36033), (5, 36117), (7, 36183), (8, 36324), (9, 36339), (11, 36417), (12, 36453), (13, 36471), (14, 36561), (15, 36573), (16, 36576), (17, 36591), (20, 36795), (23, 36936), (24, 36951), (25, 37005), (26, 37074), (28, 37185), (30, 37230), (31, 37278), (32, 37293), (33, 37434), (34, 37452), (35, 37455), (36, 37497), (37, 37527), (39, 37608), (40, 37626),

Gene: DogYard_47 Start: 35873, Stop: 37570, Start Num: 1
Candidate Starts for DogYard_47:
(Start: 1 @35873 has 5 MA's), (2, 35909), (3, 35915), (4, 35927), (5, 36011), (7, 36077), (8, 36218), (9, 36233), (11, 36311), (12, 36347), (13, 36365), (15, 36467), (16, 36470), (17, 36485), (18, 36659), (19, 36674), (20, 36689), (22, 36788), (23, 36830), (24, 36845), (25, 36899), (26, 36968), (28, 37079), (29, 37106), (30, 37124), (31, 37172), (32, 37187), (33, 37328), (34, 37346), (35, 37349), (36, 37391), (37, 37421), (39, 37502), (40, 37520),

Gene: Forrestell_43 Start: 34348, Stop: 36045, Start Num: 1
Candidate Starts for Forrestell_43:
(Start: 1 @34348 has 5 MA's), (2, 34384), (3, 34390), (4, 34402), (5, 34486), (7, 34552), (8, 34693), (9, 34708), (11, 34786), (13, 34840), (14, 34930), (15, 34942), (16, 34945), (17, 34960), (20, 35164), (22, 35263), (23, 35305), (24, 35320), (26, 35443), (27, 35446), (28, 35554), (29, 35581), (30, 35599), (31, 35647), (32, 35662), (33, 35803), (34, 35821), (35, 35824), (36, 35866), (37, 35896), (39, 35977), (40, 35995),

Gene: Kubulix_47 Start: 35821, Stop: 37518, Start Num: 1
Candidate Starts for Kubulix_47:
(Start: 1 @35821 has 5 MA's), (2, 35857), (3, 35863), (4, 35875), (5, 35959), (7, 36025), (8, 36166), (9, 36181), (11, 36259), (12, 36295), (13, 36313), (14, 36403), (15, 36415), (16, 36418), (17, 36433), (19, 36622), (20, 36637), (22, 36736), (23, 36778), (24, 36793), (26, 36916), (27, 36919), (28, 37027), (29, 37054), (30, 37072), (31, 37120), (32, 37135), (33, 37276), (34, 37294), (35, 37297), (36, 37339), (37, 37369), (39, 37450), (40, 37468),

Gene: MellowYellow_46 Start: 34714, Stop: 36411, Start Num: 1
Candidate Starts for MellowYellow_46:
(Start: 1 @34714 has 5 MA's), (2, 34750), (3, 34756), (4, 34768), (5, 34852), (7, 34918), (8, 35059), (9, 35074), (10, 35122), (11, 35152), (12, 35188), (13, 35206), (14, 35296), (15, 35308), (16, 35311), (17, 35326), (20, 35530), (24, 35686), (26, 35809), (28, 35920), (29, 35947), (31, 36013), (32, 36028), (33, 36169), (34, 36187), (35, 36190), (36, 36232), (37, 36262), (39, 36343), (40, 36361),

Gene: NyleyClemson_45 Start: 34329, Stop: 36026, Start Num: 1
Candidate Starts for NyleyClemson_45:

(Start: 1 @34329 has 5 MA's), (2, 34365), (3, 34371), (4, 34383), (5, 34467), (7, 34533), (8, 34674), (9, 34689), (11, 34767), (13, 34821), (14, 34911), (15, 34923), (16, 34926), (17, 34941), (19, 35130), (20, 35145), (22, 35244), (23, 35286), (24, 35301), (26, 35424), (27, 35427), (28, 35535), (29, 35562), (30, 35580), (31, 35628), (32, 35643), (33, 35784), (34, 35802), (35, 35805), (36, 35847), (37, 35877), (38, 35901), (39, 35958), (40, 35976),

Gene: Odyssey395_51 Start: 35998, Stop: 37695, Start Num: 1
Candidate Starts for Odyssey395_51:
(Start: 1 @35998 has 5 MA's), (2, 36034), (3, 36040), (4, 36052), (5, 36136), (6, 36193), (7, 36202), (8, 36343), (9, 36358), (11, 36436), (12, 36472), (13, 36490), (14, 36580), (15, 36592), (16, 36595), (17, 36610), (18, 36784), (19, 36799), (20, 36814), (22, 36913), (23, 36955), (24, 36970), (26, 37093), (27, 37096), (28, 37204), (29, 37231), (30, 37249), (31, 37297), (32, 37312), (33, 37453), (34, 37471), (35, 37474), (36, 37516), (37, 37546), (39, 37627), (40, 37645),

Gene: Pointis_48 Start: 35996, Stop: 37693, Start Num: 1
Candidate Starts for Pointis_48:
(Start: 1 @35996 has 5 MA's), (2, 36032), (3, 36038), (4, 36050), (5, 36134), (7, 36200), (8, 36341), (9, 36356), (11, 36434), (12, 36470), (13, 36488), (14, 36578), (15, 36590), (16, 36593), (17, 36608), (18, 36782), (19, 36797), (20, 36812), (21, 36842), (23, 36953), (24, 36968), (26, 37091), (27, 37094), (28, 37202), (29, 37229), (30, 37247), (31, 37295), (32, 37310), (33, 37451), (34, 37469), (35, 37472), (36, 37514), (37, 37544), (39, 37625), (40, 37643),

Gene: Pureglobe5_50 Start: 36179, Stop: 37876, Start Num: 1
Candidate Starts for Pureglobe5_50:
(Start: 1 @36179 has 5 MA's), (2, 36215), (3, 36221), (4, 36233), (5, 36317), (7, 36383), (8, 36524), (9, 36539), (11, 36617), (12, 36653), (13, 36671), (15, 36773), (16, 36776), (17, 36791), (18, 36965), (19, 36980), (20, 36995), (22, 37094), (23, 37136), (24, 37151), (25, 37205), (26, 37274), (28, 37385), (29, 37412), (30, 37430), (31, 37478), (32, 37493), (33, 37634), (34, 37652), (35, 37655), (36, 37697), (37, 37727), (39, 37808), (40, 37826),

Gene: RazzB_42 Start: 34460, Stop: 36157, Start Num: 1
Candidate Starts for RazzB_42:
(Start: 1 @34460 has 5 MA's), (2, 34496), (3, 34502), (4, 34514), (5, 34598), (7, 34664), (8, 34805), (9, 34820), (10, 34868), (11, 34898), (12, 34934), (13, 34952), (14, 35042), (15, 35054), (16, 35057), (17, 35072), (20, 35276), (23, 35417), (24, 35432), (26, 35555), (28, 35666), (29, 35693), (31, 35759), (32, 35774), (33, 35915), (34, 35933), (35, 35936), (36, 35978), (37, 36008), (39, 36089), (40, 36107),