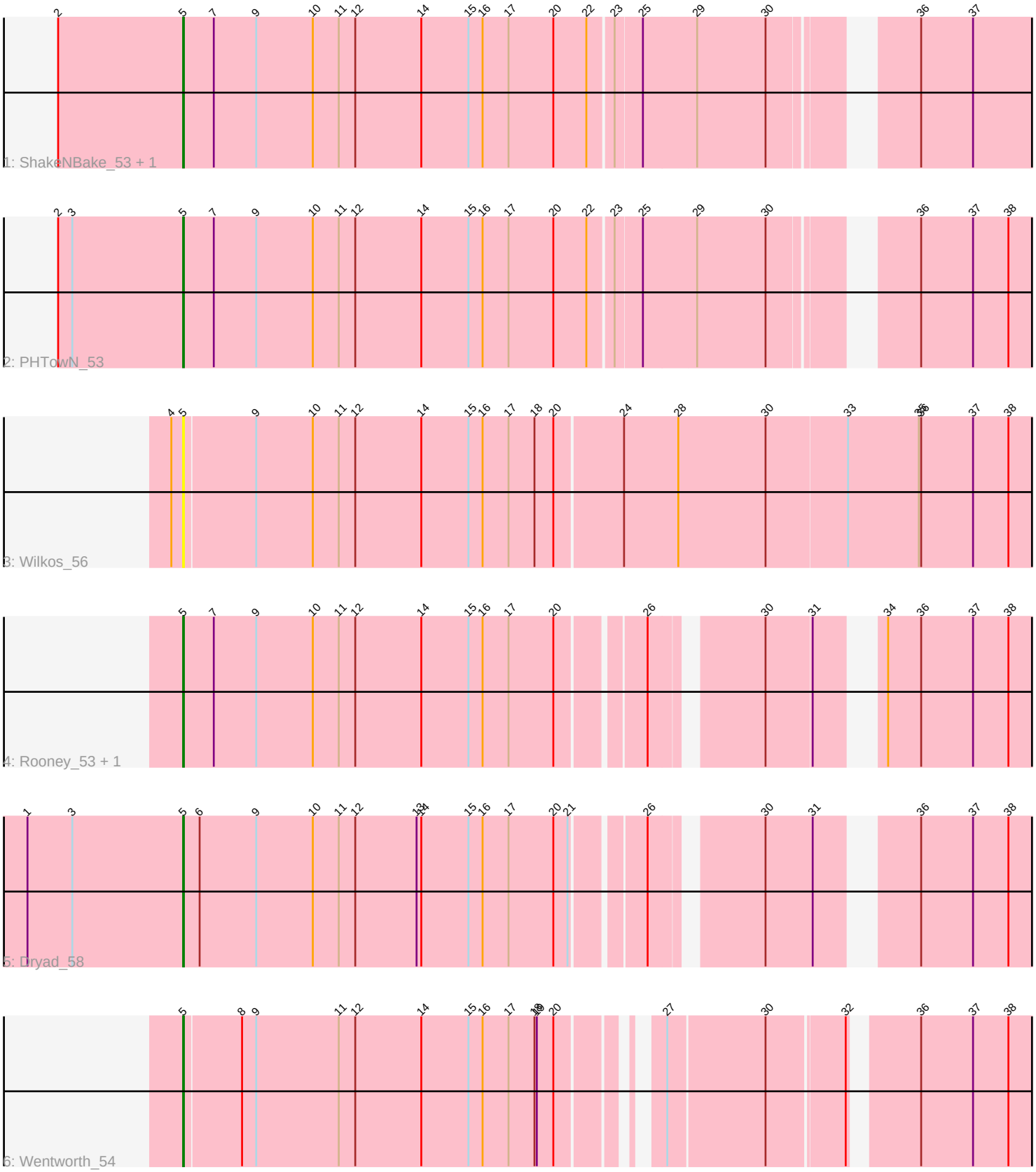
Pham 6750


1: ShakeNBake_53 + 1
2: PHTownN_53
3: Wilkos_56
4: Rooney_53 + 1
5: Dryad_58
6: Wentworth_54

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 6750 Report

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

Pham number 6750 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : ShakeNBake_53, Lizz_53
• Track 2 : PHTowN_53
• Track 3 : Wilkos_56
• Track 4 : Rooney_53, Gibson_53
• Track 5 : Dryad_58
• Track 6 : Wentworth_54

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dryad_58, Gibson_53, Lizz_53, PHTowN_53, Rooney_53, ShakeNBake_53, Wentworth_54, Wilkos_56,

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 5:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dryad_58 (BN), Gibson_53 (BN), Lizz_53 (BN), PHTowN_53 (BN), Rooney_53 (BN), ShakeNBake_53 (BN), Wentworth_54 (BN), Wilkos_56 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:
•Start number 5 was manually annotated 7 times for cluster BN.

Gene Information:

Gene: Dryad_58 Start: 41367, Stop: 40351, Start Num: 5
Candidate Starts for Dryad_58:
(1, 41565), (3, 41508), (Start: 5 @41367 has 7 MA's), (6, 41346), (9, 41274), (10, 41202), (11, 41169), (12, 41148), (13, 41070), (14, 41064), (15, 41004), (16, 40986), (17, 40953), (20, 40896), (21, 40878), (26, 40797), (30, 40677), (31, 40617), (36, 40521), (37, 40455), (38, 40410),

Gene: Gibson_53 Start: 40400, Stop: 39387, Start Num: 5
Candidate Starts for Gibson_53:
(Start: 5 @40400 has 7 MA's), (7, 40361), (9, 40307), (10, 40235), (11, 40202), (12, 40181), (14, 40097), (15, 40037), (16, 40019), (17, 39986), (20, 39929), (26, 39830), (30, 39710), (31, 39653), (34, 39599), (36, 39557), (37, 39491), (38, 39446),

Gene: Lizz_53 Start: 40240, Stop: 39197, Start Num: 5
Candidate Starts for Lizz_53:
(2, 40399), (Start: 5 @40240 has 7 MA's), (7, 40201), (9, 40147), (10, 40075), (11, 40042), (12, 40021), (14, 39937), (15, 39877), (16, 39859), (17, 39826), (20, 39769), (22, 39727), (23, 39697), (25, 39664), (29, 39598), (30, 39511), (36, 39367), (37, 39301),

Gene: PHTowN_53 Start: 40238, Stop: 39195, Start Num: 5
Candidate Starts for PHTowN_53:
(2, 40397), (3, 40379), (Start: 5 @40238 has 7 MA's), (7, 40199), (9, 40145), (10, 40073), (11, 40040), (12, 40019), (14, 39935), (15, 39875), (16, 39857), (17, 39824), (20, 39767), (22, 39725), (23, 39695), (25, 39662), (29, 39596), (30, 39509), (36, 39365), (37, 39299), (38, 39254),

Gene: Rooney_53 Start: 40397, Stop: 39384, Start Num: 5
Candidate Starts for Rooney_53:
(Start: 5 @40397 has 7 MA's), (7, 40358), (9, 40304), (10, 40232), (11, 40199), (12, 40178), (14, 40094), (15, 40034), (16, 40016), (17, 39983), (20, 39926), (26, 39827), (30, 39707), (31, 39650), (34, 39596), (36, 39554), (37, 39488), (38, 39443),

Gene: ShakeNBake_53 Start: 40256, Stop: 39213, Start Num: 5
Candidate Starts for ShakeNBake_53:
(2, 40415), (Start: 5 @40256 has 7 MA's), (7, 40217), (9, 40163), (10, 40091), (11, 40058), (12, 40037), (14, 39953), (15, 39893), (16, 39875), (17, 39842), (20, 39785), (22, 39743), (23, 39713), (25, 39680), (29, 39614), (30, 39527), (36, 39383), (37, 39317),

Gene: Wentworth_54 Start: 40629, Stop: 39619, Start Num: 5
Candidate Starts for Wentworth_54:
(Start: 5 @40629 has 7 MA's), (8, 40560), (9, 40542), (11, 40437), (12, 40416), (14, 40332), (15, 40272), (16, 40254), (17, 40221), (18, 40188), (19, 40185), (20, 40164), (27, 40071), (30, 39951), (32, 39858), (36, 39789), (37, 39723), (38, 39678),

Gene: Wilkos_56 Start: 40570, Stop: 39476, Start Num: 5
Candidate Starts for Wilkos_56:

(4, 40585), (Start: 5 @40570 has 7 MA's), (9, 40483), (10, 40411), (11, 40378), (12, 40357), (14, 40273), (15, 40213), (16, 40195), (17, 40162), (18, 40129), (20, 40105), (24, 40021), (28, 39952), (30, 39841), (33, 39739), (35, 39649), (36, 39646), (37, 39580), (38, 39535),