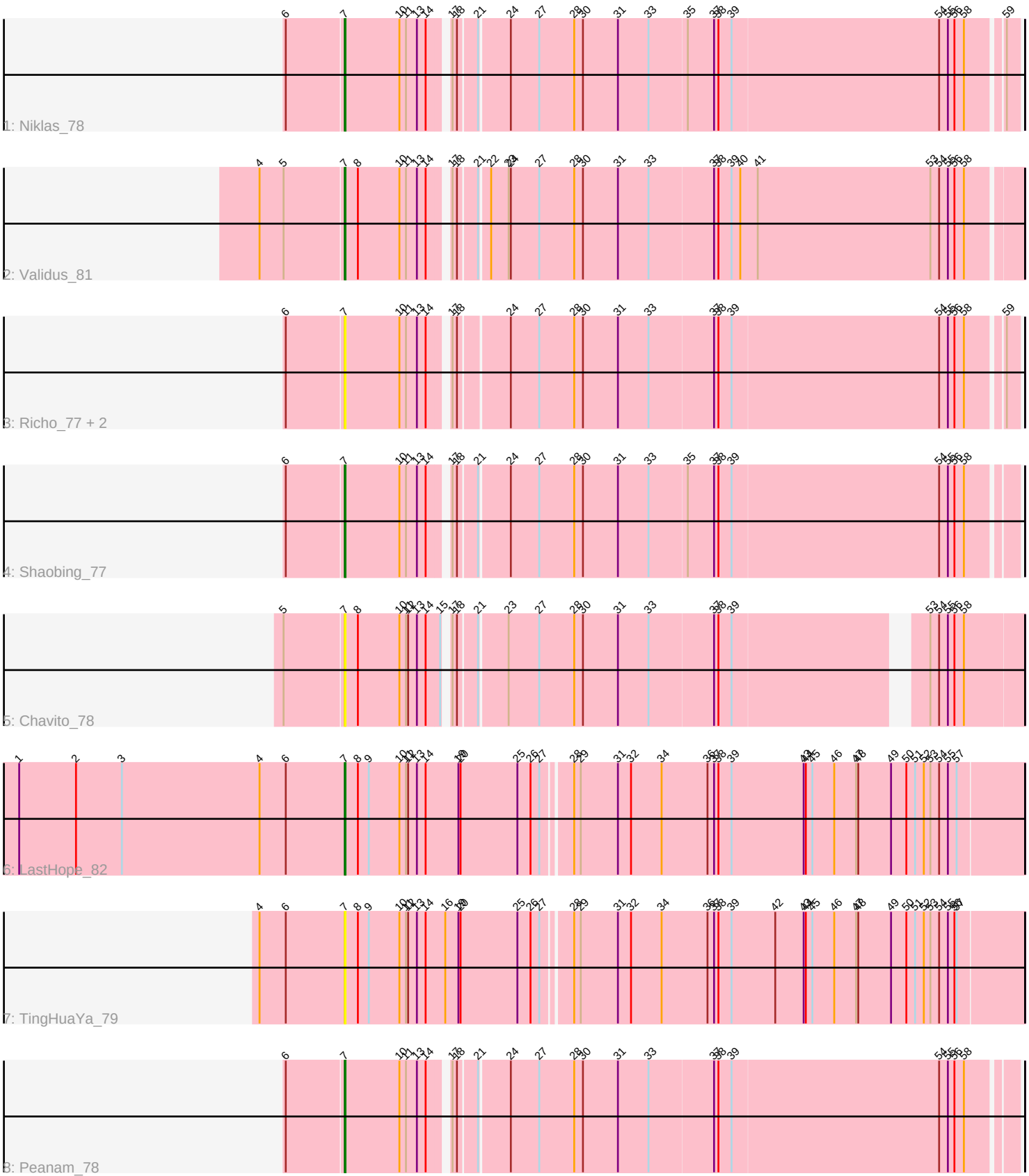
Pham 300511


1: Niklas_78
2: Validus_81
3: Richo_77 + 2
4: Shaobing_77
5: Chavito_78
6: LastHope_82
7: TingHuaYa_79
8: Peanam_78

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 300511 Report

This analysis was run 06/08/26 on database version 649.

Pham number 300511 has 10 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Niklas_78
• Track 2 : Validus_81
• Track 3 : Richo_77, Dartin_77, McMater_77
• Track 4 : Shaobing_77
• Track 5 : Chavito_78
• Track 6 : LastHope_82
• Track 7 : TingHuaYa_79
• Track 8 : Peanam_78

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

The start number called the most often in the published annotations is 7, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chavito_78, Dartin_77, LastHope_82, McMater_77, Niklas_78, Peanam_78, Richo_77, Shaobing_77, TingHuaYa_79, Validus_81,

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 7:
• 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: Chavito_78 (K1), Dartin_77 (K1), LastHope_82 (K1), McMater_77 (K1), Niklas_78 (K1), Peanam_78 (K1), Richo_77 (K1), Shaobing_77 (K1), TingHuaYa_79 (K1), Validus_81 (K1),

Summary by clusters:

There is one cluster represented in this pham: K1

Info for manual annotations of cluster K1:
•Start number 7 was manually annotated 5 times for cluster K1.

Gene Information:

Gene: Chavito_78 Start: 51311, Stop: 52174, Start Num: 7
Candidate Starts for Chavito_78:
(5, 51233), (Start: 7 @51311 has 5 MA's), (8, 51329), (10, 51386), (11, 51395), (12, 51398), (13, 51410), (14, 51422), (15, 51440), (17, 51443), (18, 51449), (21, 51473), (23, 51509), (27, 51551), (28, 51599), (30, 51611), (31, 51659), (33, 51701), (37, 51788), (38, 51794), (39, 51812), (53, 52049), (54, 52061), (55, 52073), (56, 52082), (58, 52094),

Gene: Dartin_77 Start: 50562, Stop: 51440, Start Num: 7
Candidate Starts for Dartin_77:
(6, 50487), (Start: 7 @50562 has 5 MA's), (10, 50637), (11, 50646), (13, 50661), (14, 50673), (17, 50694), (18, 50700), (24, 50763), (27, 50802), (28, 50850), (30, 50862), (31, 50910), (33, 50952), (37, 51039), (38, 51045), (39, 51063), (54, 51345), (55, 51357), (56, 51366), (58, 51378), (59, 51423),

Gene: LastHope_82 Start: 50083, Stop: 51000, Start Num: 7
Candidate Starts for LastHope_82:
(1, 49636), (2, 49714), (3, 49777), (4, 49966), (6, 50002), (Start: 7 @50083 has 5 MA's), (8, 50101), (9, 50116), (10, 50158), (11, 50167), (12, 50170), (13, 50182), (14, 50194), (19, 50239), (20, 50242), (25, 50320), (26, 50338), (27, 50350), (28, 50386), (29, 50395), (31, 50446), (32, 50464), (34, 50506), (36, 50569), (37, 50578), (38, 50584), (39, 50602), (43, 50701), (44, 50704), (45, 50713), (46, 50743), (47, 50773), (48, 50776), (49, 50821), (50, 50842), (51, 50854), (52, 50866), (53, 50875), (54, 50887), (55, 50899), (57, 50911),

Gene: McMater_77 Start: 50562, Stop: 51440, Start Num: 7
Candidate Starts for McMater_77:
(6, 50487), (Start: 7 @50562 has 5 MA's), (10, 50637), (11, 50646), (13, 50661), (14, 50673), (17, 50694), (18, 50700), (24, 50763), (27, 50802), (28, 50850), (30, 50862), (31, 50910), (33, 50952), (37, 51039), (38, 51045), (39, 51063), (54, 51345), (55, 51357), (56, 51366), (58, 51378), (59, 51423),

Gene: Niklas_78 Start: 50623, Stop: 51501, Start Num: 7
Candidate Starts for Niklas_78:
(6, 50548), (Start: 7 @50623 has 5 MA's), (10, 50698), (11, 50707), (13, 50722), (14, 50734), (17, 50755), (18, 50761), (21, 50785), (24, 50824), (27, 50863), (28, 50911), (30, 50923), (31, 50971), (33, 51013), (35, 51064), (37, 51100), (38, 51106), (39, 51124), (54, 51406), (55, 51418), (56, 51427), (58, 51439), (59, 51484),

Gene: Peanam_78 Start: 50581, Stop: 51459, Start Num: 7
Candidate Starts for Peanam_78:
(6, 50506), (Start: 7 @50581 has 5 MA's), (10, 50656), (11, 50665), (13, 50680), (14, 50692), (17, 50713), (18, 50719), (21, 50743), (24, 50782), (27, 50821), (28, 50869), (30, 50881), (31, 50929), (33, 50971), (37, 51058), (38, 51064), (39, 51082), (54, 51364), (55, 51376), (56, 51385), (58, 51397),

Gene: Richo_77 Start: 50562, Stop: 51440, Start Num: 7

Candidate Starts for Richo_77:
(6, 50487), (Start: 7 @50562 has 5 MA's), (10, 50637), (11, 50646), (13, 50661), (14, 50673), (17, 50694), (18, 50700), (24, 50763), (27, 50802), (28, 50850), (30, 50862), (31, 50910), (33, 50952), (37, 51039), (38, 51045), (39, 51063), (54, 51345), (55, 51357), (56, 51366), (58, 51378), (59, 51423),

Gene: Shaobing_77 Start: 50598, Stop: 51476, Start Num: 7
Candidate Starts for Shaobing_77:
(6, 50523), (Start: 7 @50598 has 5 MA's), (10, 50673), (11, 50682), (13, 50697), (14, 50709), (17, 50730), (18, 50736), (21, 50760), (24, 50799), (27, 50838), (28, 50886), (30, 50898), (31, 50946), (33, 50988), (35, 51039), (37, 51075), (38, 51081), (39, 51099), (54, 51381), (55, 51393), (56, 51402), (58, 51414),

Gene: TingHuaYa_79 Start: 50154, Stop: 51071, Start Num: 7
Candidate Starts for TingHuaYa_79:
(4, 50037), (6, 50073), (Start: 7 @50154 has 5 MA's), (8, 50172), (9, 50187), (10, 50229), (11, 50238), (12, 50241), (13, 50253), (14, 50265), (16, 50292), (19, 50310), (20, 50313), (25, 50391), (26, 50409), (27, 50421), (28, 50457), (29, 50466), (31, 50517), (32, 50535), (34, 50577), (36, 50640), (37, 50649), (38, 50655), (39, 50673), (42, 50733), (43, 50772), (44, 50775), (45, 50784), (46, 50814), (47, 50844), (48, 50847), (49, 50892), (50, 50913), (51, 50925), (52, 50937), (53, 50946), (54, 50958), (55, 50970), (56, 50979), (57, 50982),

Gene: Validus_81 Start: 51145, Stop: 52035, Start Num: 7
Candidate Starts for Validus_81:
(4, 51034), (5, 51067), (Start: 7 @51145 has 5 MA's), (8, 51163), (10, 51220), (11, 51229), (13, 51244), (14, 51256), (17, 51277), (18, 51283), (21, 51307), (22, 51319), (23, 51343), (24, 51346), (27, 51385), (28, 51433), (30, 51445), (31, 51493), (33, 51535), (37, 51622), (38, 51628), (39, 51646), (40, 51658), (41, 51682), (53, 51919), (54, 51931), (55, 51943), (56, 51952), (58, 51964),