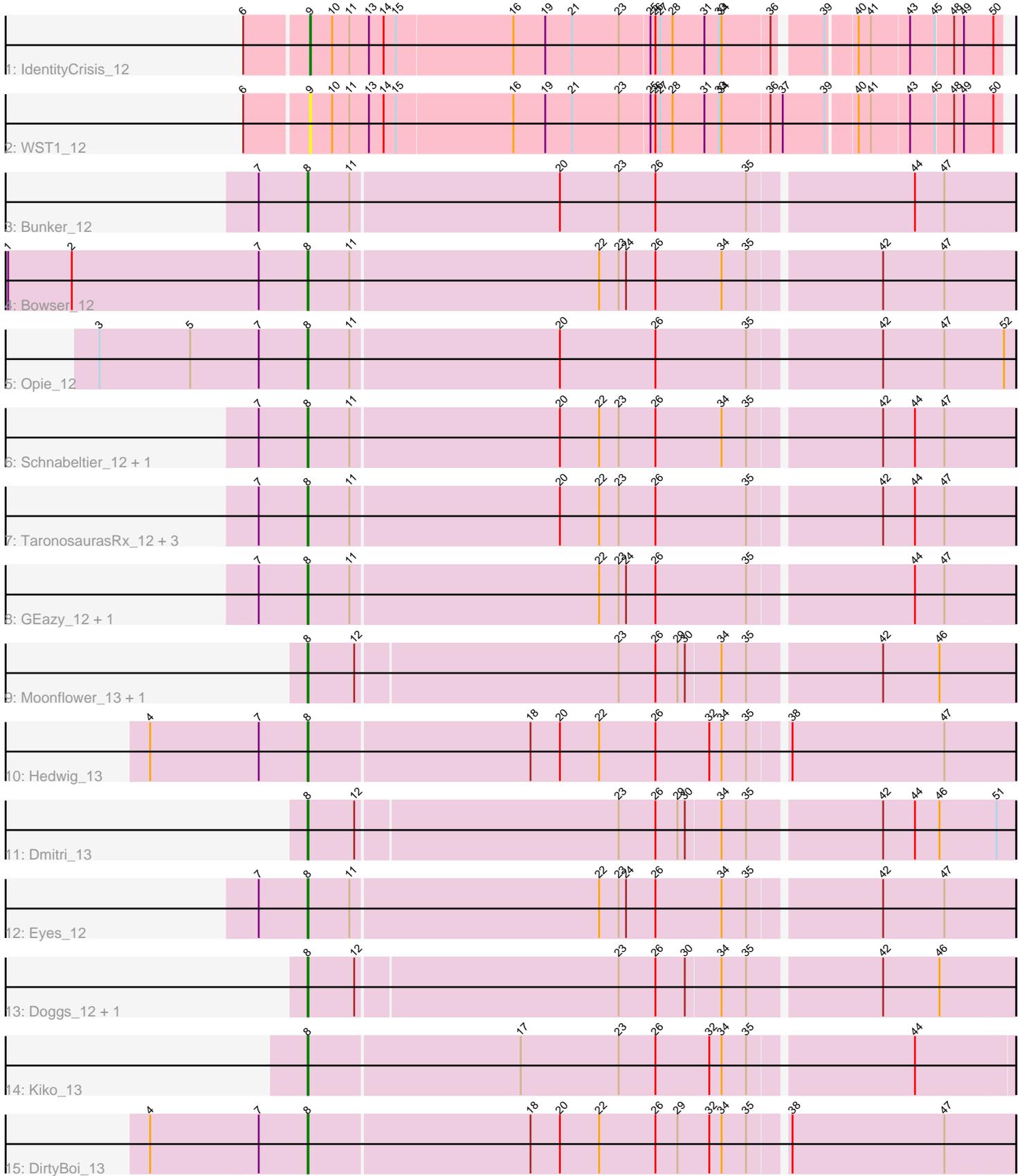Pham 282475

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 282475 Report

This analysis was run 02/23/26 on database version 636.

Pham number 282475 has 22 members, 4 are drafts.

Phages represented in each track:
• Track 1 : IdentityCrisis_12
• Track 2 : WST1_12
• Track 3 : Bunker_12
• Track 4 : Bowser_12
• Track 5 : Opie_12
• Track 6 : Schnabeltier_12, MagicMan_12
• Track 7 : TaronosaurasRx_12, ZAYM_12, BackstagePass_12, BBQValindra_12
• Track 8 : GEazy_12, HannahD_12
• Track 9 : Moonflower_13, RayTheFireFly_13
• Track 10 : Hedwig_13
• Track 11 : Dmitri_13
• Track 12 : Eyes_12
• Track 13 : Doggs_12, Coriander_13
• Track 14 : Kiko_13
• Track 15 : DirtyBoi_13

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

The start number called the most often in the published annotations is 8, it was called in 17 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BBQValindra_12, BackstagePass_12, Bowser_12, Bunker_12, Coriander_13, DirtyBoi_13, Dmitri_13, Doggs_12, Eyes_12, GEazy_12, HannahD_12, Hedwig_13, Kiko_13, MagicMan_12, Moonflower_13, Opie_12, RayTheFireFly_13, Schnabeltier_12, TaronosaurasRx_12, ZAYM_12,

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

Genes that do not have the "Most Annotated" start:
• IdentityCrisis_12, WST1_12,

Summary by start number:

Start 8:
• Found in 20 of 22 (90.9%) of genes in pham
• Manual Annotations of this start: 17 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BBQValindra_12 (DB), BackstagePass_12 (DB), Bowser_12 (DB), Bunker_12 (DB), Coriander_13 (DB), DirtyBoi_13 (DB), Dmitri_13 (DB), Doggs_12 (DB), Eyes_12 (DB), GEazy_12 (DB), HannahD_12 (DB), Hedwig_13 (DB), Kiko_13 (DB), MagicMan_12 (DB), Moonflower_13 (DB), Opie_12 (DB), RayTheFireFly_13 (DB), Schnabeltier_12 (DB), TaronosaurasRx_12 (DB), ZAYM_12 (DB),

Start 9:
• Found in 2 of 22 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IdentityCrisis_12 (AJ), WST1_12 (AJ),

Summary by clusters:

There are 2 clusters represented in this pham: AJ, DB,

Info for manual annotations of cluster AJ:
•Start number 9 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster DB:
•Start number 8 was manually annotated 17 times for cluster DB.

Gene Information:
Gene: BBQValindra_12 Start: 7992, Stop: 8834, Start Num: 8
Candidate Starts for BBQValindra_12:
(7, 7932), (Start: 8 @7992 has 17 MA's), (11, 8043), (20, 8295), (22, 8343), (23, 8367), (26, 8412), (35, 8523), (42, 8676), (44, 8715), (47, 8751),

Gene: BackstagePass_12 Start: 7969, Stop: 8811, Start Num: 8
Candidate Starts for BackstagePass_12:
(7, 7909), (Start: 8 @7969 has 17 MA's), (11, 8020), (20, 8272), (22, 8320), (23, 8344), (26, 8389), (35, 8500), (42, 8653), (44, 8692), (47, 8728),

Gene: Bowser_12 Start: 7991, Stop: 8833, Start Num: 8
Candidate Starts for Bowser_12:
(1, 7628), (2, 7706), (7, 7931), (Start: 8 @7991 has 17 MA's), (11, 8042), (22, 8342), (23, 8366), (24, 8375), (26, 8411), (34, 8492), (35, 8522), (42, 8675), (47, 8750),

Gene: Bunker_12 Start: 7992, Stop: 8834, Start Num: 8
Candidate Starts for Bunker_12:
(7, 7932), (Start: 8 @7992 has 17 MA's), (11, 8043), (20, 8295), (23, 8367), (26, 8412), (35, 8523), (44, 8715), (47, 8751),

Gene: Coriander_13 Start: 8389, Stop: 9228, Start Num: 8

Candidate Starts for Coriander_13:
(Start: 8 @8389 has 17 MA's), (12, 8446), (23, 8758), (26, 8803), (30, 8839), (34, 8881), (35, 8911), (42, 9067), (46, 9136),

Gene: DirtyBoi_13 Start: 8342, Stop: 9184, Start Num: 8
Candidate Starts for DirtyBoi_13:
(4, 8150), (7, 8282), (Start: 8 @8342 has 17 MA's), (18, 8609), (20, 8645), (22, 8693), (26, 8762), (29, 8789), (32, 8828), (34, 8843), (35, 8873), (38, 8915), (47, 9101),

Gene: Dmitri_13 Start: 8371, Stop: 9210, Start Num: 8
Candidate Starts for Dmitri_13:
(Start: 8 @8371 has 17 MA's), (12, 8428), (23, 8740), (26, 8785), (29, 8812), (30, 8821), (34, 8863), (35, 8893), (42, 9049), (44, 9088), (46, 9118), (51, 9187),

Gene: Doggs_12 Start: 8086, Stop: 8925, Start Num: 8
Candidate Starts for Doggs_12:
(Start: 8 @8086 has 17 MA's), (12, 8143), (23, 8455), (26, 8500), (30, 8536), (34, 8578), (35, 8608), (42, 8764), (46, 8833),

Gene: Eyes_12 Start: 7999, Stop: 8841, Start Num: 8
Candidate Starts for Eyes_12:
(7, 7939), (Start: 8 @7999 has 17 MA's), (11, 8050), (22, 8350), (23, 8374), (24, 8383), (26, 8419), (34, 8500), (35, 8530), (42, 8683), (47, 8758),

Gene: GEazy_12 Start: 8001, Stop: 8843, Start Num: 8
Candidate Starts for GEazy_12:
(7, 7941), (Start: 8 @8001 has 17 MA's), (11, 8052), (22, 8352), (23, 8376), (24, 8385), (26, 8421), (35, 8532), (44, 8724), (47, 8760),

Gene: HannahD_12 Start: 8001, Stop: 8843, Start Num: 8
Candidate Starts for HannahD_12:
(7, 7941), (Start: 8 @8001 has 17 MA's), (11, 8052), (22, 8352), (23, 8376), (24, 8385), (26, 8421), (35, 8532), (44, 8724), (47, 8760),

Gene: Hedwig_13 Start: 8342, Stop: 9184, Start Num: 8
Candidate Starts for Hedwig_13:
(4, 8150), (7, 8282), (Start: 8 @8342 has 17 MA's), (18, 8609), (20, 8645), (22, 8693), (26, 8762), (32, 8828), (34, 8843), (35, 8873), (38, 8915), (47, 9101),

Gene: IdentityCrisis_12 Start: 8516, Stop: 9319, Start Num: 9
Candidate Starts for IdentityCrisis_12:
(6, 8441), (Start: 9 @8516 has 1 MA's), (10, 8543), (11, 8564), (13, 8588), (14, 8606), (15, 8621), (16, 8762), (19, 8801), (21, 8834), (23, 8891), (25, 8927), (26, 8933), (27, 8939), (28, 8954), (31, 8993), (33, 9011), (34, 9014), (36, 9071), (39, 9122), (40, 9155), (41, 9170), (43, 9215), (45, 9245), (48, 9266), (49, 9278), (50, 9311),

Gene: Kiko_13 Start: 8190, Stop: 9032, Start Num: 8
Candidate Starts for Kiko_13:
(Start: 8 @8190 has 17 MA's), (17, 8445), (23, 8565), (26, 8610), (32, 8676), (34, 8691), (35, 8721), (44, 8913),

Gene: MagicMan_12 Start: 8329, Stop: 9171, Start Num: 8
Candidate Starts for MagicMan_12:

(7, 8269), (Start: 8 @8329 has 17 MA's), (11, 8380), (20, 8632), (22, 8680), (23, 8704), (26, 8749), (34, 8830), (35, 8860), (42, 9013), (44, 9052), (47, 9088),

Gene: Moonflower_13 Start: 8394, Stop: 9233, Start Num: 8
Candidate Starts for Moonflower_13:
(Start: 8 @8394 has 17 MA's), (12, 8451), (23, 8763), (26, 8808), (29, 8835), (30, 8844), (34, 8886), (35, 8916), (42, 9072), (46, 9141),

Gene: Opie_12 Start: 8346, Stop: 9188, Start Num: 8
Candidate Starts for Opie_12:
(3, 8094), (5, 8205), (7, 8286), (Start: 8 @8346 has 17 MA's), (11, 8397), (20, 8649), (26, 8766), (35, 8877), (42, 9030), (47, 9105), (52, 9174),

Gene: RayTheFireFly_13 Start: 8395, Stop: 9234, Start Num: 8
Candidate Starts for RayTheFireFly_13:
(Start: 8 @8395 has 17 MA's), (12, 8452), (23, 8764), (26, 8809), (29, 8836), (30, 8845), (34, 8887), (35, 8917), (42, 9073), (46, 9142),

Gene: Schnabeltier_12 Start: 8330, Stop: 9172, Start Num: 8
Candidate Starts for Schnabeltier_12:
(7, 8270), (Start: 8 @8330 has 17 MA's), (11, 8381), (20, 8633), (22, 8681), (23, 8705), (26, 8750), (34, 8831), (35, 8861), (42, 9014), (44, 9053), (47, 9089),

Gene: TaronosaurasRx_12 Start: 8343, Stop: 9185, Start Num: 8
Candidate Starts for TaronosaurasRx_12:
(7, 8283), (Start: 8 @8343 has 17 MA's), (11, 8394), (20, 8646), (22, 8694), (23, 8718), (26, 8763), (35, 8874), (42, 9027), (44, 9066), (47, 9102),

Gene: WST1_12 Start: 8519, Stop: 9337, Start Num: 9
Candidate Starts for WST1_12:
(6, 8444), (Start: 9 @8519 has 1 MA's), (10, 8546), (11, 8567), (13, 8591), (14, 8609), (15, 8624), (16, 8765), (19, 8804), (21, 8837), (23, 8894), (25, 8930), (26, 8936), (27, 8942), (28, 8957), (31, 8996), (33, 9014), (34, 9017), (36, 9074), (37, 9089), (39, 9140), (40, 9173), (41, 9188), (43, 9233), (45, 9263), (48, 9284), (49, 9296), (50, 9329),

Gene: ZAYM_12 Start: 8336, Stop: 9178, Start Num: 8
Candidate Starts for ZAYM_12:
(7, 8276), (Start: 8 @8336 has 17 MA's), (11, 8387), (20, 8639), (22, 8687), (23, 8711), (26, 8756), (35, 8867), (42, 9020), (44, 9059), (47, 9095),