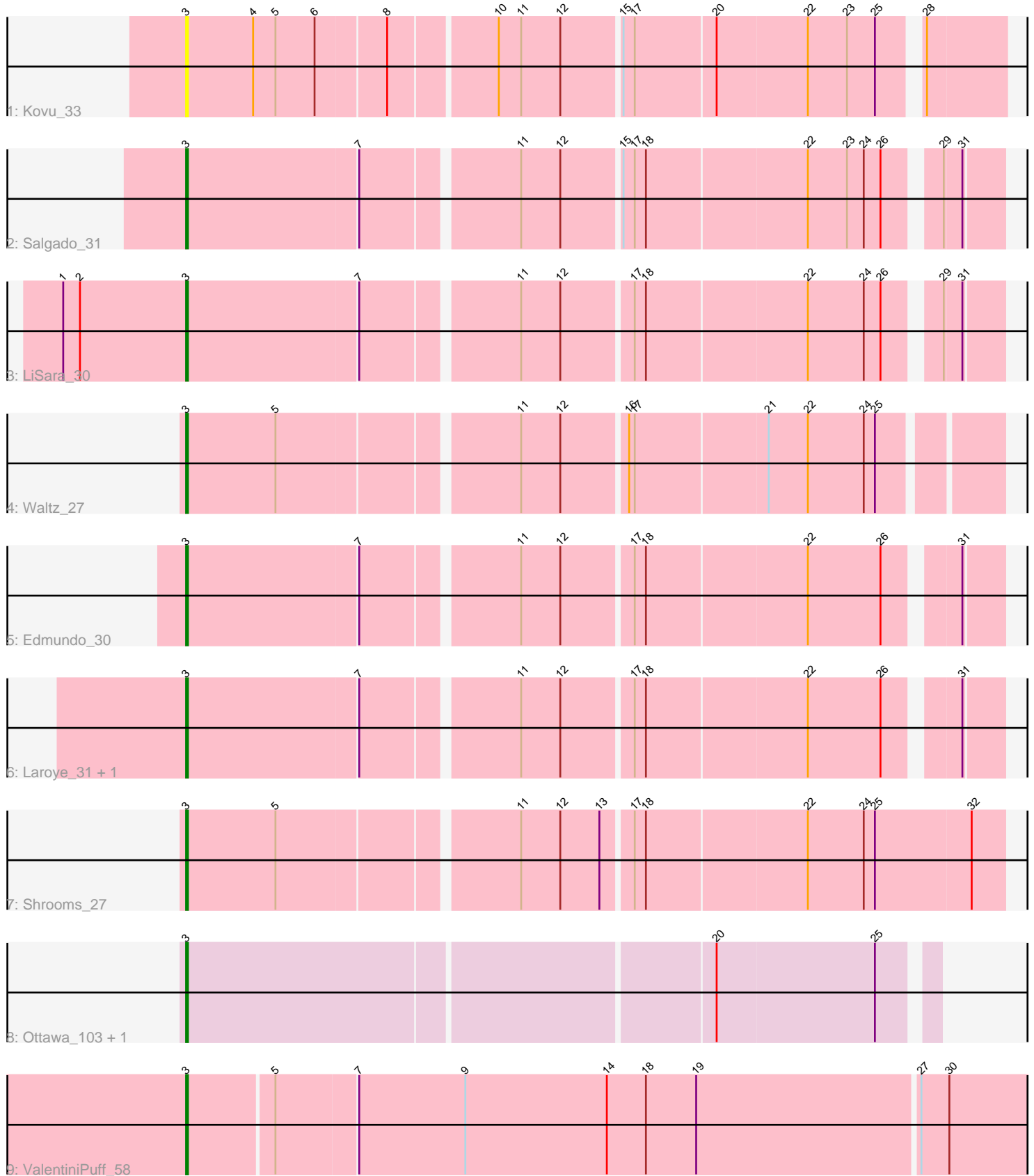# Pham 5568

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 5568 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5568 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Kovu_33
• Track 2 : Salgado_31
• Track 3 : LiSara_30
• Track 4 : Waltz_27
• Track 5 : Edmundo_30
• Track 6 : Laroye_31, Wheelbite_30
• Track 7 : Shrooms_27
• Track 8 : Ottawa_103, Kharcho_103
• Track 9 : ValentiniPuff_58

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

The start number called the most often in the published annotations is 3, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Edmundo_30, Kharcho_103, Kovu_33, Laroye_31, LiSara_30, Ottawa_103, Salgado_31, Shrooms_27, ValentiniPuff_58, Waltz_27, Wheelbite_30,

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 3:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Edmundo_30 (AL), Kharcho_103 (FM), Kovu_33 (AL), Laroye_31 (AL), LiSara_30 (AL), Ottawa_103 (FM), Salgado_31 (AL), Shrooms_27 (AL), ValentiniPuff_58 (singleton), Waltz_27 (AL), Wheelbite_30 (AL),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, FM, AL,

Info for manual annotations of cluster AL:
•Start number 3 was manually annotated 7 times for cluster AL.

Info for manual annotations of cluster FM:
•Start number 3 was manually annotated 2 times for cluster FM.

Gene Information:

Gene: Edmundo_30 Start: 23122, Stop: 23529, Start Num: 3
Candidate Starts for Edmundo_30:
(Start: 3 @23122 has 10 MA's), (7, 23212), (11, 23290), (12, 23311), (17, 23347), (18, 23353), (22, 23437), (26, 23476), (31, 23509),

Gene: Kharcho_103 Start: 62445, Stop: 62828, Start Num: 3
Candidate Starts for Kharcho_103:
(Start: 3 @62445 has 10 MA's), (20, 62718), (25, 62802),

Gene: Kovu_33 Start: 22675, Stop: 23088, Start Num: 3
Candidate Starts for Kovu_33:
(Start: 3 @22675 has 10 MA's), (4, 22711), (5, 22723), (6, 22744), (8, 22780), (10, 22834), (11, 22846), (12, 22867), (15, 22897), (17, 22903), (20, 22945), (22, 22993), (23, 23014), (25, 23029), (28, 23047),

Gene: Laroye_31 Start: 22868, Stop: 23275, Start Num: 3
Candidate Starts for Laroye_31:
(Start: 3 @22868 has 10 MA's), (7, 22958), (11, 23036), (12, 23057), (17, 23093), (18, 23099), (22, 23183), (26, 23222), (31, 23255),

Gene: LiSara_30 Start: 22811, Stop: 23218, Start Num: 3
Candidate Starts for LiSara_30:
(1, 22745), (2, 22754), (Start: 3 @22811 has 10 MA's), (7, 22901), (11, 22979), (12, 23000), (17, 23036), (18, 23042), (22, 23126), (24, 23156), (26, 23165), (29, 23189), (31, 23198),

Gene: Ottawa_103 Start: 62395, Stop: 62778, Start Num: 3
Candidate Starts for Ottawa_103:
(Start: 3 @62395 has 10 MA's), (20, 62668), (25, 62752),

Gene: Salgado_31 Start: 22819, Stop: 23226, Start Num: 3
Candidate Starts for Salgado_31:
(Start: 3 @22819 has 10 MA's), (7, 22909), (11, 22987), (12, 23008), (15, 23038), (17, 23044), (18, 23050), (22, 23134), (23, 23155), (24, 23164), (26, 23173), (29, 23197), (31, 23206),

Gene: Shrooms_27 Start: 20191, Stop: 20610, Start Num: 3
Candidate Starts for Shrooms_27:
(Start: 3 @20191 has 10 MA's), (5, 20239), (11, 20359), (12, 20380), (13, 20401), (17, 20416), (18, 20422), (22, 20506), (24, 20536), (25, 20542), (32, 20593),

Gene: ValentiniPuff_58 Start: 29540, Stop: 29995, Start Num: 3
Candidate Starts for ValentiniPuff_58:
(Start: 3 @29540 has 10 MA's), (5, 29585), (7, 29627), (9, 29684), (14, 29759), (18, 29780), (19, 29807), (27, 29924), (30, 29939),

Gene: Waltz_27 Start: 20280, Stop: 20690, Start Num: 3
Candidate Starts for Waltz_27:
(Start: 3 @20280 has 10 MA's), (5, 20328), (11, 20448), (12, 20469), (16, 20502), (17, 20505), (21, 20574), (22, 20595), (24, 20625), (25, 20631),

Gene: Wheelbite_30 Start: 22986, Stop: 23393, Start Num: 3
Candidate Starts for Wheelbite_30:
(Start: 3 @22986 has 10 MA's), (7, 23076), (11, 23154), (12, 23175), (17, 23211), (18, 23217), (22, 23301), (26, 23340), (31, 23373),