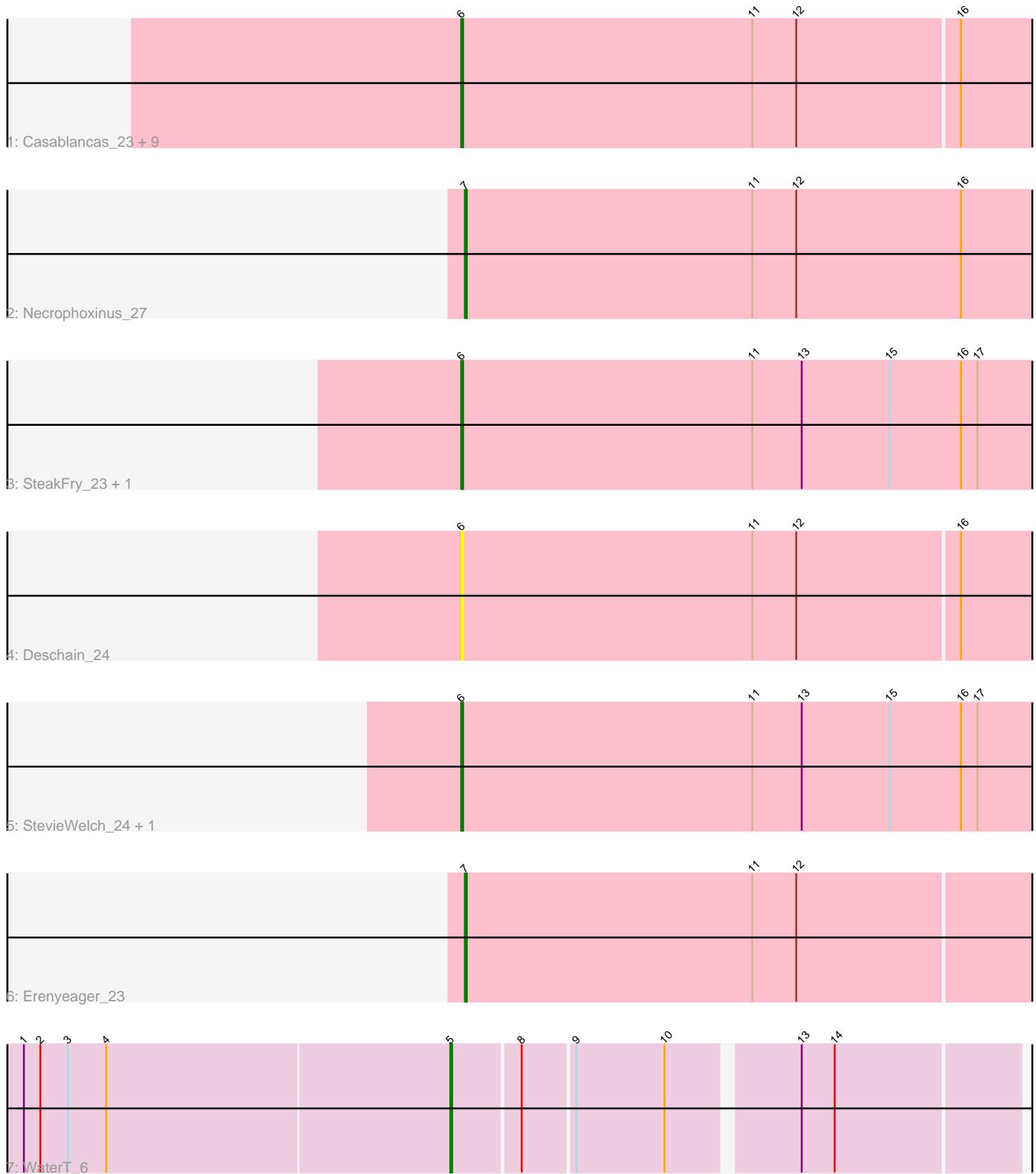


Pham 274750



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 274750 Report

This analysis was run 02/07/26 on database version 634.

Pham number 274750 has 18 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Casablancas\_23, Musetta\_23, DustyDino\_26, ASegato\_23, Shroomer\_26, Yuma\_23, Welcome\_24, Issa7\_22, Lyell\_24, RunningBrook\_24
- Track 2 : Necrophoxinus\_27
- Track 3 : SteakFry\_23, HollowPurple\_25
- Track 4 : Deschain\_24
- Track 5 : StevieWelch\_24, Fork\_21
- Track 6 : Erenyeager\_23
- Track 7 : WaterT\_6

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

The start number called the most often in the published annotations is 6, it was called in 10 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ASegato\_23, Casablancas\_23, Deschain\_24, DustyDino\_26, Fork\_21, HollowPurple\_25, Issa7\_22, Lyell\_24, Musetta\_23, RunningBrook\_24, Shroomer\_26, SteakFry\_23, StevieWelch\_24, Welcome\_24, Yuma\_23,

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

- 

Genes that do not have the "Most Annotated" start:

- Erenyeager\_23, Necrophoxinus\_27, WaterT\_6,

### **Summary by start number:**

Start 5:

- Found in 1 of 18 ( 5.6% ) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: WaterT\_6 (GB),

Start 6:

- Found in 15 of 18 ( 83.3% ) of genes in pham
- Manual Annotations of this start: 10 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ASegato\_23 (ED2), Casablancas\_23 (ED2), Deschain\_24 (ED2), DustyDino\_26 (ED2), Fork\_21 (ED2), HollowPurple\_25 (ED2), Issa7\_22 (ED2), Lyell\_24 (ED2), Musetta\_23 (ED2), RunningBrook\_24 (ED2), Shroomer\_26 (ED2), SteakFry\_23 (ED2), StevieWelch\_24 (ED2), Welcome\_24 (ED2), Yuma\_23 (ED2),

**Start 7:**

- Found in 2 of 18 ( 11.1% ) of genes in pham
- Manual Annotations of this start: 2 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Erenyeager\_23 (ED2), Necrophoxinus\_27 (ED2),

**Summary by clusters:**

There are 2 clusters represented in this pham: ED2, GB,

Info for manual annotations of cluster ED2:

- Start number 6 was manually annotated 10 times for cluster ED2.
- Start number 7 was manually annotated 2 times for cluster ED2.

Info for manual annotations of cluster GB:

- Start number 5 was manually annotated 1 time for cluster GB.

**Gene Information:**

Gene: ASegato\_23 Start: 7211, Stop: 7531, Start Num: 6

Candidate Starts for ASegato\_23:

(Start: 6 @7211 has 10 MA's), (11, 7370), (12, 7394), (16, 7481),

Gene: Casablancas\_23 Start: 7151, Stop: 7471, Start Num: 6

Candidate Starts for Casablancas\_23:

(Start: 6 @7151 has 10 MA's), (11, 7310), (12, 7334), (16, 7421),

Gene: Deschain\_24 Start: 7815, Stop: 8135, Start Num: 6

Candidate Starts for Deschain\_24:

(Start: 6 @7815 has 10 MA's), (11, 7974), (12, 7998), (16, 8085),

Gene: DustyDino\_26 Start: 7914, Stop: 8234, Start Num: 6

Candidate Starts for DustyDino\_26:

(Start: 6 @7914 has 10 MA's), (11, 8073), (12, 8097), (16, 8184),

Gene: Erenyeager\_23 Start: 7431, Stop: 7748, Start Num: 7

Candidate Starts for Erenyeager\_23:

(Start: 7 @7431 has 2 MA's), (11, 7587), (12, 7611),

Gene: Fork\_21 Start: 6865, Stop: 7188, Start Num: 6

Candidate Starts for Fork\_21:

(Start: 6 @6865 has 10 MA's), (11, 7024), (13, 7051), (15, 7099), (16, 7138), (17, 7147),

Gene: HollowPurple\_25 Start: 7435, Stop: 7758, Start Num: 6

Candidate Starts for HollowPurple\_25:

(Start: 6 @7435 has 10 MA's), (11, 7594), (13, 7621), (15, 7669), (16, 7708), (17, 7717),

Gene: Issa7\_22 Start: 6846, Stop: 7166, Start Num: 6

Candidate Starts for Issa7\_22:

(Start: 6 @6846 has 10 MA's), (11, 7005), (12, 7029), (16, 7116),

Gene: Lyell\_24 Start: 7327, Stop: 7647, Start Num: 6

Candidate Starts for Lyell\_24:

(Start: 6 @7327 has 10 MA's), (11, 7486), (12, 7510), (16, 7597),

Gene: Musetta\_23 Start: 7405, Stop: 7725, Start Num: 6

Candidate Starts for Musetta\_23:

(Start: 6 @7405 has 10 MA's), (11, 7564), (12, 7588), (16, 7675),

Gene: Necrophoxinus\_27 Start: 8208, Stop: 8528, Start Num: 7

Candidate Starts for Necrophoxinus\_27:

(Start: 7 @8208 has 2 MA's), (11, 8364), (12, 8388), (16, 8478),

Gene: RunningBrook\_24 Start: 7914, Stop: 8234, Start Num: 6

Candidate Starts for RunningBrook\_24:

(Start: 6 @7914 has 10 MA's), (11, 8073), (12, 8097), (16, 8184),

Gene: Shroomer\_26 Start: 7414, Stop: 7737, Start Num: 6

Candidate Starts for Shroomer\_26:

(Start: 6 @7414 has 10 MA's), (11, 7573), (12, 7597), (16, 7687),

Gene: SteakFry\_23 Start: 7435, Stop: 7758, Start Num: 6

Candidate Starts for SteakFry\_23:

(Start: 6 @7435 has 10 MA's), (11, 7594), (13, 7621), (15, 7669), (16, 7708), (17, 7717),

Gene: StevieWelch\_24 Start: 7555, Stop: 7878, Start Num: 6

Candidate Starts for StevieWelch\_24:

(Start: 6 @7555 has 10 MA's), (11, 7714), (13, 7741), (15, 7789), (16, 7828), (17, 7837),

Gene: WaterT\_6 Start: 1700, Stop: 1993, Start Num: 5

Candidate Starts for WaterT\_6:

(1, 1469), (2, 1478), (3, 1493), (4, 1514), (Start: 5 @1700 has 1 MA's), (8, 1736), (9, 1763), (10, 1811), (13, 1877), (14, 1895),

Gene: Welcome\_24 Start: 7401, Stop: 7721, Start Num: 6

Candidate Starts for Welcome\_24:

(Start: 6 @7401 has 10 MA's), (11, 7560), (12, 7584), (16, 7671),

Gene: Yuma\_23 Start: 7304, Stop: 7624, Start Num: 6

Candidate Starts for Yuma\_23:

(Start: 6 @7304 has 10 MA's), (11, 7463), (12, 7487), (16, 7574),