

Supplemental Table 6: Signal intensity ratios of gDNA from *Desulfovibrio vulgaris* strains hybridized against a strain Hildenborough complete genome microarray

Boxes indicate phage regions in strain Hildenborough

Refer to Supplemental Figure 1 for COG descriptions

GeneID refers to ORFs in strain Hildenborough

***D. vulgaris* NCIMB 8306 (Brockhurst Hill)**

| Gene ID | Ratio to DvH | Predicted function | COG |
|----------|--------------|--|-----|
| ORF00120 | 0.35 | sensory transduction histidine kinase, putative | T |
| ORF00290 | 0.23 | hypothetical protein | |
| ORF00291 | 0.48 | Nodulation protein A (NodA) family | R |
| ORF00293 | 0.13 | hypothetical protein | |
| ORF00295 | 0.06 | conserved hypothetical protein | |
| ORF00297 | 0.13 | hypothetical protein | |
| ORF00358 | 0.17 | lipoprotein, putative | |
| ORF00470 | 0.48 | endoribonuclease L-PSP, putative | J |
| ORF00491 | 0.20 | Methyl-accepting chemotaxis protein (MCP) signaling domain protein | N |
| ORF00563 | 0.48 | hypothetical protein | |
| ORF00765 | 0.32 | tail fiber assembly protein, putative | |
| ORF00766 | 0.16 | tail fiber protein, putative | |
| ORF00786 | 0.29 | ATPase domain protein | D |
| ORF00788 | 0.49 | hypothetical protein | |
| ORF00823 | 0.00 | conserved domain protein | |
| ORF00837 | 0.11 | transcriptional regulator, Cro/CI family | K |
| ORF00850 | 0.18 | protein kinase C inhibitor, putative | |
| ORF00851 | 0.14 | hypothetical protein | |
| ORF00852 | 0.08 | hypothetical protein | |
| ORF00860 | 0.10 | hypothetical protein | |
| ORF00871 | 0.44 | hypothetical protein | |
| ORF00873 | 0.36 | hypothetical protein | |
| ORF00875 | 0.20 | hypothetical protein | |
| ORF00880 | 0.35 | hypothetical protein | |
| ORF01265 | 0.48 | thiamine biosynthesis protein ThiC (thiC) | H |
| ORF01345 | 0.36 | cell cycle protein MesJ | D |
| ORF01386 | 0.13 | conserved hypothetical protein | |
| ORF01388 | 0.06 | conserved domain protein | |
| ORF01389 | 0.17 | nuclease domain protein | |
| ORF01392 | 0.26 | tail fiber assembly protein, putative | |
| ORF01426 | 0.11 | conserved hypothetical protein | |
| ORF01439 | 0.00 | transcriptional regulator cI, truncation | |
| ORF01445 | 0.00 | hypothetical protein | |
| ORF01447 | 0.11 | hypothetical protein | |
| ORF01486 | 0.12 | Hemolysin-type calcium-binding proteins domain protein | |
| ORF01487 | 0.25 | hypothetical protein | |
| ORF01508 | 0.08 | conserved domain protein | |
| ORF01528 | 0.23 | ferritin | P |
| ORF01573 | 0.34 | chemotaxis protein CheY (cheY-4) | T |
| ORF01725 | 0.48 | inositol monophosphatase family protein | G |
| ORF01747 | 0.00 | C4-type zinc finger protein, DksA/TraR family | |
| ORF01750 | 0.00 | hypothetical protein | |
| ORF01754 | 0.10 | hypothetical protein | |
| ORF01758 | 0.00 | hypothetical protein | |
| ORF01759 | 0.00 | metallo-beta-lactamase superfamily domain protein | J |

DePue Genome - Supplemental Table 6

| | | | |
|----------|------|---|---|
| ORF01762 | 0.00 | hypothetical protein | |
| ORF01764 | 0.00 | conserved hypothetical protein | |
| ORF01766 | 0.11 | type I restriction-modification enzyme, R subunit | V |
| ORF01769 | 0.07 | hypothetical protein | |
| ORF01770 | 0.24 | type I restriction-modification enzyme, S subunit | V |
| ORF01772 | 0.00 | hypothetical protein | |
| ORF01773 | 0.00 | conserved hypothetical protein | |
| ORF01775 | 0.09 | type I restriction-modification system, M subunit (hsdM) | V |
| ORF01777 | 0.00 | conserved hypothetical protein | |
| ORF01780 | 0.07 | hypothetical protein | |
| ORF01782 | 0.00 | hypothetical protein | |
| ORF01783 | 0.00 | hypothetical protein | |
| ORF01785 | 0.16 | conserved hypothetical protein | |
| ORF01786 | 0.19 | hypothetical protein | |
| ORF01788 | 0.22 | hypothetical protein | |
| ORF01789 | 0.00 | hypothetical protein | |
| ORF01790 | 0.00 | hypothetical protein | |
| ORF01792 | 0.20 | conserved domain protein | |
| ORF01793 | 0.00 | hypothetical protein | |
| ORF01797 | 0.12 | hypothetical protein | |
| ORF01798 | 0.00 | hypothetical protein | |
| ORF01799 | 0.00 | hypothetical protein | |
| ORF01800 | 0.00 | phage uncharacterized protein, putative | R |
| ORF01801 | 0.19 | conserved hypothetical protein | |
| ORF01802 | 0.10 | hypothetical protein | |
| ORF01805 | 0.00 | killer protein, putative | R |
| ORF01806 | 0.09 | helix-turn-helix domain protein | R |
| ORF01808 | 0.07 | hypothetical protein | |
| ORF01809 | 0.09 | hypothetical protein | |
| ORF01810 | 0.00 | hypothetical protein | |
| ORF01811 | 0.18 | hypothetical protein | |
| ORF01812 | 0.07 | hypothetical protein | |
| ORF01815 | 0.00 | hypothetical protein | |
| ORF01816 | 0.19 | conserved hypothetical protein | |
| ORF01818 | 0.00 | site-specific recombinase, phage integrase family | |
| ORF01819 | 0.41 | hypothetical protein | |
| ORF01821 | 0.00 | hypothetical protein | |
| ORF01822 | 0.17 | hypothetical protein | |
| ORF01823 | 0.10 | prevent-host-death family protein | D |
| ORF01824 | 0.13 | hypothetical protein | |
| ORF01825 | 0.09 | helix-turn-helix domain protein | R |
| ORF01827 | 0.43 | helix-turn-helix domain protein | R |
| ORF01830 | 0.17 | C-5 cytosine-specific DNA methylase family protein | L |
| ORF01831 | 0.00 | ATPase, histidine kinase-, DNA gyrase B-, and HSP90-like domain protein | T |
| ORF01833 | 0.00 | hypothetical protein | |
| ORF01837 | 0.32 | hypothetical protein | |
| ORF01838 | 0.16 | hypothetical protein | |
| ORF01840 | 0.00 | hypothetical protein | |
| ORF01842 | 0.35 | hypothetical protein | |
| ORF01843 | 0.15 | hypothetical protein | |
| ORF01844 | 0.10 | hypothetical protein | |
| ORF01845 | 0.14 | hypothetical protein | |
| ORF01846 | 0.14 | hypothetical protein | |
| ORF01848 | 0.13 | hypothetical protein | |
| ORF01849 | 0.27 | hypothetical protein | |

DePue Genome - Supplemental Table 6

| | | | |
|----------|------|---|-----|
| ORF01850 | 0.34 | site-specific recombinase, phage integrase family | L |
| ORF01862 | 0.41 | aspartate ammonia-lyase, putative | E |
| ORF02015 | 0.43 | hypothetical protein | |
| ORF02268 | 0.21 | hypothetical protein | |
| ORF02271 | 0.16 | hypothetical protein | |
| ORF02273 | 0.00 | transposase, IS5 family, truncation | L |
| ORF02275 | 0.46 | ISDvu4, transposase | |
| ORF02278 | 0.27 | hypothetical protein | |
| ORF02280 | 0.22 | parb protein | L |
| ORF02379 | 0.40 | HD domain protein | T |
| ORF02413 | 0.00 | GTP pyrophosphokinase (relA) | T |
| ORF02442 | 0.27 | hypothetical protein | |
| ORF02445 | 0.13 | conserved hypothetical protein | |
| ORF02446 | 0.00 | lipoprotein, putative | |
| ORF02447 | 0.06 | ParA family protein | C |
| ORF02448 | 0.00 | ParA family protein | C |
| ORF02450 | 0.21 | hypothetical protein | |
| ORF02451 | 0.21 | flagellar regulatory protein C (flrC) | K/T |
| ORF02452 | 0.23 | hypothetical protein | |
| ORF02569 | 0.39 | hypothetical protein | |
| ORF02581 | 0.12 | hypothetical protein | |
| ORF02584 | 0.07 | ISDvu2, transposase OrfB | |
| ORF02585 | 0.37 | ISDvu2, transposase OrfA | |
| ORF02593 | 0.20 | hypothetical protein | |
| ORF02594 | 0.30 | hypothetical protein | |
| ORF02615 | 0.00 | hypothetical protein | |
| ORF02617 | 0.41 | hypothetical protein | |
| ORF02618 | 0.09 | hypothetical protein | |
| ORF02733 | 0.00 | hypothetical protein | |
| ORF02735 | 0.25 | Major Outer Sheath Protein C-terminal region family | |
| ORF02736 | 0.32 | hypothetical protein | |
| ORF02737 | 0.25 | hypothetical protein | |
| ORF02738 | 0.22 | hypothetical protein | |
| ORF02745 | 0.30 | pyruvate formate-lyase activating enzyme, putative | O |
| ORF02756 | 0.36 | hypothetical protein | |
| ORF02817 | 0.47 | hypothetical protein | |
| ORF02870 | 0.49 | hypothetical protein | |
| ORF02953 | 0.26 | hypothetical protein | |
| ORF03120 | 0.23 | N-(5'-phosphoribosyl)anthranilate isomerase (trpF) | E |
| ORF03124 | 0.21 | thioesterase family protein | Q |
| ORF03128 | 0.41 | lipoprotein, putative | |
| ORF03129 | 0.18 | hypothetical protein | |
| ORF03170 | 0.11 | cytochrome c3, putative | |
| ORF03171 | 0.22 | periplasmic [NiFe] hydrogenase, small subunit, isozyme 2 (hynB) | C |
| ORF03173 | 0.25 | periplasmic [NiFe] hydrogenase, large subunit, isozyme 2 (hynA) | C |
| ORF03238 | 0.29 | 8-amino-7-oxononanoate synthase, putative | H |
| ORF03240 | 0.37 | dethiobiotin synthetase (bioD) | H |
| ORF03374 | 0.23 | hypothetical protein | |
| ORF03434 | 0.19 | peptidase, S24 family | K |
| ORF03463 | 0.13 | hypothetical protein | |
| ORF03478 | 0.14 | hypothetical protein | |
| ORF03494 | 0.16 | membrane protein, putative | |
| ORF03543 | 0.42 | C_GCAxxG_C_C family protein | |
| ORF03668 | 0.00 | site-specific recombinase, phage integrase family | L |

DePue Genome - Supplemental Table 6

| | | | |
|----------|------|--|-------|
| ORF03670 | 0.09 | hypothetical protein | |
| ORF03671 | 0.19 | hypothetical protein | |
| ORF03674 | 0.14 | hypothetical protein | |
| ORF03675 | 0.00 | transcriptional regulator cII, putative | |
| ORF03676 | 0.13 | hypothetical protein | |
| ORF03677 | 0.10 | hypothetical protein | |
| ORF03679 | 0.09 | transcriptional regulator, putative | |
| ORF03680 | 0.09 | hypothetical protein | |
| ORF03682 | 0.00 | conserved hypothetical protein | |
| ORF03685 | 0.07 | conserved hypothetical protein | |
| ORF03687 | 0.00 | conserved hypothetical protein | |
| ORF03689 | 0.17 | conserved hypothetical protein | |
| ORF03692 | 0.12 | type II restriction endonuclease, putative | L |
| ORF03693 | 0.08 | type II DNA modification methyltransferase, putative | L |
| ORF03694 | 0.00 | DNA mismatch endonuclease Vsr, putative | L |
| ORF03695 | 0.08 | hypothetical protein | |
| ORF03697 | 0.10 | HIT family protein | F/G/R |
| ORF03698 | 0.13 | hypothetical protein | |
| ORF03700 | 0.00 | hypothetical protein | |
| ORF03702 | 0.34 | tail fiber assembly protein, putative | |
| ORF03703 | 0.12 | tail fiber protein, putative | |
| ORF03704 | 0.00 | tail protein, putative | S |
| ORF03706 | 0.09 | tail protein, putative | S |
| ORF03708 | 0.21 | tail protein, putative | S |
| ORF03709 | 0.00 | phage baseplate assembly protein V, putative | S |
| ORF03711 | 0.11 | tail protein, putative | R |
| ORF03712 | 0.09 | tail/DNA circulation protein, putative | R |
| ORF03714 | 0.16 | conserved domain protein | |
| ORF03717 | 0.00 | tail tube protein, putative | |
| ORF03718 | 0.08 | conserved hypothetical protein | |
| ORF03720 | 0.00 | tail sheath protein, putative | R |
| ORF03721 | 0.00 | conserved hypothetical protein | |
| ORF03723 | 0.12 | hypothetical protein | |
| ORF03724 | 0.07 | hypothetical protein | |
| ORF03725 | 0.04 | hypothetical protein | |
| ORF03726 | 0.00 | hypothetical protein | |
| ORF03727 | 0.00 | lipoprotein, putative | |
| ORF03730 | 0.09 | conserved hypothetical protein | |
| ORF03732 | 0.20 | hypothetical protein | |
| ORF03733 | 0.08 | major head protein | |
| ORF03734 | 0.00 | conserved hypothetical protein | |
| ORF03736 | 0.16 | minor capsid protein C | O/U |
| ORF03738 | 0.17 | phage portal protein, lambda family | R |
| ORF03739 | 0.00 | hypothetical protein | |
| ORF03740 | 0.08 | hypothetical protein | |
| ORF03741 | 0.16 | DNA binding domain, excisionase family | |
| ORF03742 | 0.17 | terminase, large subunit, putative | R |
| ORF03744 | 0.12 | hypothetical protein | |
| ORF03745 | 0.09 | adenine specific DNA methyltransferase, putative | L |
| ORF03747 | 0.12 | conserved hypothetical protein | |
| ORF03748 | 0.00 | hypothetical protein | |
| ORF03750 | 0.00 | phage/plasmid primase, P4 family | R |
| ORF03792 | 0.23 | UmuC protein (umuC) | L |
| ORF03804 | 0.20 | hypothetical protein | |

DePue Genome - Supplemental Table 6

| | | | |
|----------|------|--|---|
| ORF03934 | 0.39 | NAD-dependent epimerase/dehydratase family protein, putative | M |
| ORF03978 | 0.24 | HDIG domain protein | T |
| ORF04060 | 0.24 | hydrogenase maturation protein HypF (hypF) | O |
| ORF04191 | 0.10 | hypothetical protein | |
| ORF04227 | 0.47 | glycerol-3-phosphate dehydrogenase (NAD(P)+) (gpsA) | C |
| ORF04228 | 0.21 | hypothetical protein | |
| ORF04294 | 0.26 | branched-chain amino acid aminotransferase (ilvE) | E |
| ORF04468 | 0.16 | hypothetical protein | |
| ORF04470 | 0.35 | membrane protein, putative | G |
| ORF04472 | 0.15 | hypothetical protein | |
| ORF04473 | 0.24 | hypothetical protein | |
| ORF04474 | 0.13 | hypothetical protein | |
| ORF04476 | 0.00 | ATP-dependent protease La (lon) | T |
| ORF04477 | 0.14 | sensor kinase homolog | |
| ORF04479 | 0.10 | acetoacetate metabolism regulatory protein atoc (atoC) | T |
| ORF04480 | 0.22 | conserved hypothetical protein | |
| ORF04489 | 0.28 | conserved hypothetical protein | |
| ORF04514 | 0.11 | hypothetical protein | |
| ORF04517 | 0.43 | hypothetical protein | |
| ORF04520 | 0.43 | hypothetical protein | |
| ORF04588 | 0.38 | hypothetical protein | |
| ORF04623 | 0.49 | hypothetical protein | |
| ORF04801 | 0.19 | TonB domain protein | M |
| ORF04817 | 0.46 | hypothetical protein | |
| ORF04873 | 0.00 | chemotaxis protein CheYI (cheYI) | T |
| ORF04958 | 0.07 | phage/plasmid primase, P4 family | R |
| ORF04960 | 0.00 | hypothetical protein | |
| ORF04961 | 0.00 | conserved hypothetical protein | |
| ORF04963 | 0.00 | adenine specific DNA methyltransferase, putative | L |
| ORF04964 | 0.19 | hypothetical protein | |
| ORF04966 | 0.06 | terminase, large subunit, putative | R |
| ORF04967 | 0.10 | hypothetical protein | |
| ORF04968 | 0.12 | hypothetical protein | |
| ORF04969 | 0.00 | phage portal protein, lambda family | R |
| ORF04971 | 0.12 | minor capsid protein C | O |
| ORF04973 | 0.08 | conserved hypothetical protein | |
| ORF04974 | 0.07 | major head protein | |
| ORF04975 | 0.13 | hypothetical protein | |
| ORF04976 | 0.00 | holin | R |
| ORF04977 | 0.06 | conserved hypothetical protein | |
| ORF04979 | 0.00 | lipoprotein, putative | |
| ORF04981 | 0.11 | hypothetical protein | |
| ORF04982 | 0.00 | hypothetical protein | |
| ORF04983 | 0.14 | hypothetical protein | |
| ORF04984 | 0.12 | hypothetical protein | |
| ORF04985 | 0.00 | conserved hypothetical protein | |
| ORF04987 | 0.00 | tail sheath protein, putative | R |
| ORF04988 | 0.00 | tail tube protein, putative | |
| ORF04991 | 0.11 | conserved hypothetical protein | |
| ORF04994 | 0.20 | conserved domain protein | |
| ORF04996 | 0.00 | tail/DNA circulation protein, putative | R |
| ORF04997 | 0.25 | tail protein, putative | R |
| ORF04999 | 0.15 | phage baseplate assembly protein V, putative | S |
| ORF05000 | 0.00 | tail protein, putative | S |

DePue Genome - Supplemental Table 6

| | | | |
|----------|------|--|---|
| ORF05002 | 0.13 | tail protein, putative | S |
| ORF05003 | 0.09 | tail protein, putative | S |
| ORF05008 | 0.07 | hypothetical protein | |
| ORF05010 | 0.11 | conserved hypothetical protein | |
| ORF05011 | 0.09 | conserved hypothetical protein | |
| ORF05012 | 0.14 | hypothetical protein | |
| ORF05014 | 0.13 | hypothetical protein | |
| ORF05016 | 0.10 | conserved hypothetical protein | |
| ORF05017 | 0.09 | hypothetical protein | |
| ORF05020 | 0.42 | hypothetical protein | |
| ORF05021 | 0.26 | transcriptional regulator cII, putative | |
| ORF05022 | 0.14 | hypothetical protein | |
| ORF05023 | 0.12 | hypothetical protein | |
| ORF05025 | 0.16 | hypothetical protein | |
| ORF05027 | 0.27 | hypothetical protein | |
| ORF05028 | 0.20 | hypothetical protein | |
| ORF05031 | 0.14 | site-specific recombinase, phage integrase family | L |
| ORF05057 | 0.37 | membrane protein, putative | |
| ORF05063 | 0.48 | ATP-dependent RNA helicase, DEAD/DEAH box family | R |
| ORF05067 | 0.49 | acetyltransferase, GNAT family | R |
| ORF05253 | 0.37 | conserved hypothetical protein | |
| ORF05356 | 0.00 | chromate transport family protein | P |
| ORF05362 | 0.00 | Ech hydrogenase, subunit EchE, putative | C |
| ORF05389 | 0.24 | DNA polymerase III, epsilon subunit, putative | L |
| ORF05440 | 0.43 | hypothetical protein | |
| ORF05446 | 0.37 | hypothetical protein | |
| ORF05576 | 0.21 | hypothetical protein | |
| ORF05577 | 0.00 | hypothetical protein | |
| ORF05580 | 0.00 | hypothetical protein | |
| ORF05581 | 0.12 | hypothetical protein | |
| ORF05582 | 0.35 | NAD-dependent epimerase/dehydratase family protein | M |
| ORF05583 | 0.00 | hypothetical protein | |
| ORF05589 | 0.18 | hypothetical protein | |
| ORF05590 | 0.00 | lipoprotein, putative | |
| ORF05593 | 0.06 | glycosyl transferase, group 1 family protein, putative | M |
| ORF05598 | 0.16 | ISDvu4, transposase, truncation | |
| ORF05705 | 0.43 | sigma-54 dependent response regulator | T |
| ORF05707 | 0.35 | sensor histidine kinase/response regulator | T |
| ORF05709 | 0.14 | hypothetical protein | |
| ORF05751 | 0.15 | hypothetical protein | |
| ORF05752 | 0.14 | hypothetical protein | |
| ORF05753 | 0.45 | tail fiber protein, truncation | |
| ORF05754 | 0.09 | hypothetical protein | |
| ORF05755 | 0.00 | hypothetical protein | |
| ORF05761 | 0.10 | hypothetical protein | |
| ORF05762 | 0.00 | hypothetical protein | |
| ORF05763 | 0.00 | transcriptional regulator, putative | |
| ORF05766 | 0.26 | hypothetical protein | |
| ORF05770 | 0.08 | hypothetical protein | |

DePue Genome - Supplemental Table 6

D. vulgaris NCIMB 8457 (Woolwich)

| Gene ID | Ratio to DvH | Predicted function | COG |
|----------|--------------|---|-----|
| ORF00050 | 0.41 | hypothetical protein | |
| ORF00258 | 0.44 | conserved hypothetical protein | |
| ORF00290 | 0.21 | hypothetical protein | |
| ORF00293 | 0.17 | hypothetical protein | |
| ORF00295 | 0.07 | conserved hypothetical protein | |
| ORF00297 | 0.17 | hypothetical protein | |
| ORF00347 | 0.43 | hypothetical protein | |
| ORF00358 | 0.20 | lipoprotein, putative | |
| ORF00470 | 0.44 | endoribonuclease L-PSP, putative | J |
| ORF00523 | 0.36 | organic solvent tolerance protein, putative | M |
| ORF00763 | 0.19 | adenine specific DNA methyltransferase, putative | L |
| ORF00765 | 0.39 | tail fiber assembly protein, putative | |
| ORF00766 | 0.23 | tail fiber protein, putative | |
| ORF00771 | 0.20 | hypothetical protein | |
| ORF00774 | 0.17 | baseplate assembly protein, putative | |
| ORF00777 | 0.18 | baseplate assembly protein, putative | |
| ORF00778 | 0.17 | hypothetical protein | |
| ORF00779 | 0.29 | hypothetical protein | |
| ORF00781 | 0.00 | tail tape measure protein, FRAMESHIFT | |
| ORF00784 | 0.15 | hypothetical protein | |
| ORF00786 | 0.17 | ATPase domain protein | D |
| ORF00788 | 0.14 | hypothetical protein | |
| ORF00790 | 0.18 | hypothetical protein | |
| ORF00794 | 0.12 | hypothetical protein | |
| ORF00795 | 0.19 | virion morphogenesis protein | R |
| ORF00796 | 0.00 | conserved hypothetical protein | |
| ORF00797 | 0.00 | hypothetical protein | |
| ORF00798 | 0.00 | hypothetical protein | |
| ORF00800 | 0.00 | conserved hypothetical protein | |
| ORF00802 | 0.00 | conserved hypothetical protein | |
| ORF00803 | 0.08 | hypothetical protein | |
| ORF00805 | 0.00 | portal protein, putative | R |
| ORF00807 | 0.00 | conserved domain protein | |
| ORF00810 | 0.00 | hypothetical protein | |
| ORF00811 | 0.00 | hypothetical protein | |
| ORF00812 | 0.15 | lipoprotein, putative | |
| ORF00816 | 0.09 | conserved hypothetical protein | |
| ORF00817 | 0.00 | DNA-binding domain protein | |
| ORF00818 | 0.07 | hypothetical protein | |
| ORF00819 | 0.00 | conserved hypothetical protein | |
| ORF00820 | 0.29 | hypothetical protein | |
| ORF00822 | 0.14 | DNA-binding protein HU, beta subunit (hupB) | L |
| ORF00823 | 0.00 | conserved domain protein | |
| ORF00824 | 0.10 | host-nuclease inhibitor protein Gam, putative | R |
| ORF00826 | 0.33 | hypothetical protein | |
| ORF00827 | 0.00 | hypothetical protein | |
| ORF00829 | 0.15 | bacteriophage DNA transposition B protein, putative | R |
| ORF00830 | 0.00 | bacteriophage transposase A protein, putative | |
| ORF00832 | 0.09 | hypothetical protein | |
| ORF00833 | 0.09 | transcriptional regulator, putative | |
| ORF00836 | 0.25 | hypothetical protein | |

DePue Genome - Supplemental Table 6

| | | | |
|----------|------|---|---|
| ORF00837 | 0.00 | transcriptional regulator, Cro/CI family | K |
| ORF00839 | 0.30 | hypothetical protein | |
| ORF00840 | 0.18 | transposase, degenerate | |
| ORF00842 | 0.19 | AlfI | M |
| ORF00843 | 0.09 | hypothetical protein | |
| ORF00845 | 0.23 | conserved hypothetical protein | |
| ORF00860 | 0.32 | hypothetical protein | |
| ORF00872 | 0.28 | hypothetical protein | |
| ORF00873 | 0.09 | hypothetical protein | |
| ORF00936 | 0.00 | fatty acid/phospholipid synthesis protein PlsX (plsX) | |
| ORF01032 | 0.28 | hypothetical protein | |
| ORF01064 | 0.48 | primosomal protein N (priA) | L |
| ORF01345 | 0.35 | cell cycle protein MesJ | D |
| ORF01376 | 0.44 | hypothetical protein | |
| ORF01386 | 0.15 | conserved hypothetical protein | |
| ORF01388 | 0.08 | conserved domain protein | |
| ORF01389 | 0.13 | nuclease domain protein | |
| ORF01392 | 0.22 | tail fiber assembly protein, putative | |
| ORF01426 | 0.14 | conserved hypothetical protein | |
| ORF01439 | 0.00 | transcriptional regulator cI, truncation | |
| ORF01445 | 0.00 | hypothetical protein | |
| ORF01447 | 0.11 | hypothetical protein | |
| ORF01486 | 0.14 | Hemolysin-type calcium-binding proteins domain protein | |
| ORF01487 | 0.29 | hypothetical protein | |
| ORF01508 | 0.00 | conserved domain protein | |
| ORF01691 | 0.31 | hypothetical protein | |
| ORF01750 | 0.00 | hypothetical protein | |
| ORF01758 | 0.23 | hypothetical protein | |
| ORF01759 | 0.00 | metallo-beta-lactamase superfamily domain protein | J |
| ORF01762 | 0.00 | hypothetical protein | |
| ORF01764 | 0.00 | conserved hypothetical protein | |
| ORF01766 | 0.18 | type I restriction-modification enzyme, R subunit | V |
| ORF01769 | 0.07 | hypothetical protein | |
| ORF01770 | 0.31 | type I restriction-modification enzyme, S subunit | V |
| ORF01772 | 0.00 | hypothetical protein | |
| ORF01773 | 0.11 | conserved hypothetical protein | |
| ORF01775 | 0.12 | type I restriction-modification system, M subunit (hsdM) | V |
| ORF01777 | 0.00 | conserved hypothetical protein | |
| ORF01780 | 0.18 | hypothetical protein | |
| ORF01809 | 0.11 | hypothetical protein | |
| ORF01810 | 0.00 | hypothetical protein | |
| ORF01811 | 0.20 | hypothetical protein | |
| ORF01812 | 0.12 | hypothetical protein | |
| ORF01815 | 0.15 | hypothetical protein | |
| ORF01819 | 0.49 | hypothetical protein | |
| ORF01823 | 0.27 | prevent-host-death family protein | D |
| ORF01825 | 0.11 | helix-turn-helix domain protein | R |
| ORF01827 | 0.37 | helix-turn-helix domain protein | R |
| ORF01830 | 0.20 | C-5 cytosine-specific DNA methylase family protein | L |
| ORF01831 | 0.00 | ATPase, histidine kinase-, DNA gyrase B-, and HSP90-like domain protein | T |
| ORF01833 | 0.00 | hypothetical protein | |
| ORF01834 | 0.00 | hypothetical protein | |
| ORF01837 | 0.43 | hypothetical protein | |
| ORF01838 | 0.24 | hypothetical protein | |

DePue Genome - Supplemental Table 6

| | | | |
|----------|------|--|---|
| ORF01840 | 0.17 | hypothetical protein | |
| ORF01842 | 0.40 | hypothetical protein | |
| ORF01848 | 0.15 | hypothetical protein | |
| ORF01862 | 0.39 | aspartate ammonia-lyase, putative | E |
| ORF02256 | 0.30 | hypothetical protein | |
| ORF02259 | 0.00 | quatarnary ammonium compound-resistance protein QacC, putative | P |
| ORF02261 | 0.00 | hypothetical protein | |
| ORF02275 | 0.00 | ISDvu4, transposase | |
| ORF02413 | 0.00 | GTP pyrophosphokinase (relA) | T |
| ORF02433 | 0.33 | thiamine biosynthesis protein, thiazole moiety | H |
| ORF02452 | 0.24 | hypothetical protein | |
| ORF02527 | 0.00 | hypothetical protein | |
| ORF02536 | 0.13 | conserved hypothetical protein | |
| ORF02537 | 0.00 | hypothetical protein | |
| ORF02540 | 0.23 | tail assembly protein, putative | |
| ORF02542 | 0.18 | hypothetical protein | |
| ORF02543 | 0.00 | hypothetical protein | |
| ORF02544 | 0.00 | tail tape measure protein, putative | * |
| ORF02549 | 0.00 | hypothetical protein | |
| ORF02550 | 0.00 | hypothetical protein | |
| ORF02552 | 0.31 | hypothetical protein | |
| ORF02553 | 0.38 | hypothetical protein | |
| ORF02554 | 0.00 | hypothetical protein | |
| ORF02557 | 0.00 | lipoprotein, putative | |
| ORF02558 | 0.00 | lysozyme, putative | |
| ORF02559 | 0.14 | holin | |
| ORF02560 | 0.28 | hypothetical protein | |
| ORF02561 | 0.15 | major head protein | |
| ORF02563 | 0.35 | conserved hypothetical protein | |
| ORF02565 | 0.21 | minor capsid protein C | |
| ORF02567 | 0.20 | portal protein | |
| ORF02568 | 0.22 | hypothetical protein | |
| ORF02569 | 0.00 | hypothetical protein | |
| ORF02578 | 0.17 | adenine specific DNA methyltransferase, putative | |
| ORF02580 | 0.13 | hypothetical protein | |
| ORF02581 | 0.12 | hypothetical protein | |
| ORF02584 | 0.00 | ISDvu2, transposase OrfB | |
| ORF02585 | 0.00 | ISDvu2, transposase OrfA | |
| ORF02586 | 0.29 | hypothetical protein | |
| ORF02589 | 0.11 | antirepressor, putative | |
| ORF02593 | 0.00 | hypothetical protein | |
| ORF02594 | 0.00 | hypothetical protein | |
| ORF02595 | 0.11 | DNA-binding domain protein, excisionase family | |
| ORF02596 | 0.12 | terminase, large subunit, putative | |
| ORF02597 | 0.00 | hypothetical protein | |
| ORF02598 | 0.17 | hypothetical protein | |
| ORF02601 | 0.20 | primase, putative | |
| ORF02602 | 0.32 | transcriptional regulator cII, putative | |
| ORF02604 | 0.19 | transcriptional regulator, putative | |
| ORF02606 | 0.24 | hypothetical protein | |
| ORF02607 | 0.21 | hypothetical protein | |
| ORF02609 | 0.15 | hypothetical protein | |
| ORF02610 | 0.16 | hypothetical protein | |
| ORF02612 | 0.39 | hypothetical protein | |

DePue Genome - Supplemental Table 6

| | | | |
|----------|------|--|-------|
| ORF02613 | 0.21 | hypothetical protein | |
| ORF02614 | 0.16 | site-specific recombinase, phage integrase family | |
| ORF02733 | 0.00 | hypothetical protein | |
| ORF02735 | 0.22 | Major Outer Sheath Protein C-terminal region family | |
| ORF02736 | 0.40 | hypothetical protein | |
| ORF02737 | 0.17 | hypothetical protein | |
| ORF02738 | 0.00 | hypothetical protein | |
| ORF02886 | 0.39 | glycosyl transferase family protein | |
| ORF02934 | 0.41 | tonB dependent receptor domain protein | |
| ORF03120 | 0.24 | N-(5'-phosphoribosyl)anthranilate isomerase (trpF) | E |
| ORF03124 | 0.20 | thioesterase family protein | Q |
| ORF03128 | 0.42 | lipoprotein, putative | |
| ORF03129 | 0.21 | hypothetical protein | |
| ORF03434 | 0.23 | peptidase, S24 family | K |
| ORF03444 | 0.18 | hypothetical protein | |
| ORF03451 | 0.09 | transglycosylase SLT domain protein | |
| ORF03460 | 0.25 | virion morphogenesis protein | |
| ORF03462 | 0.39 | virion morphogenesis protein | |
| ORF03463 | 0.19 | hypothetical protein | |
| ORF03476 | 0.26 | hypothetical protein | |
| ORF03478 | 0.14 | hypothetical protein | |
| ORF03494 | 0.25 | membrane protein, putative | |
| ORF03496 | 0.37 | hypothetical protein | |
| ORF03503 | 0.07 | tail fiber protein, putative | |
| ORF03504 | 0.16 | tail fiber assembly protein, putative | |
| ORF03543 | 0.37 | C_GCAxxG_C_C family protein | |
| ORF03655 | 0.00 | Amidohydrolase family superfamily | |
| ORF03668 | 0.00 | site-specific recombinase, phage integrase family | L |
| ORF03670 | 0.09 | hypothetical protein | |
| ORF03671 | 0.20 | hypothetical protein | |
| ORF03674 | 0.00 | hypothetical protein | |
| ORF03675 | 0.00 | transcriptional regulator cII, putative | |
| ORF03676 | 0.14 | hypothetical protein | |
| ORF03677 | 0.10 | hypothetical protein | |
| ORF03679 | 0.10 | transcriptional regulator, putative | |
| ORF03680 | 0.08 | hypothetical protein | |
| ORF03682 | 0.00 | conserved hypothetical protein | |
| ORF03685 | 0.09 | conserved hypothetical protein | |
| ORF03687 | 0.00 | conserved hypothetical protein | |
| ORF03689 | 0.17 | conserved hypothetical protein | |
| ORF03692 | 0.15 | type II restriction endonuclease, putative | L |
| ORF03693 | 0.08 | type II DNA modification methyltransferase, putative | L |
| ORF03694 | 0.07 | DNA mismatch endonuclease Vsr, putative | L |
| ORF03695 | 0.08 | hypothetical protein | |
| ORF03697 | 0.12 | HIT family protein | F/G/R |
| ORF03698 | 0.17 | hypothetical protein | |
| ORF03700 | 0.00 | hypothetical protein | |
| ORF03702 | 0.29 | tail fiber assembly protein, putative | |
| ORF03703 | 0.17 | tail fiber protein, putative | |
| ORF03704 | 0.00 | tail protein, putative | S |
| ORF03706 | 0.10 | tail protein, putative | S |
| ORF03708 | 0.20 | tail protein, putative | S |
| ORF03709 | 0.00 | phage baseplate assembly protein V, putative | S |
| ORF03711 | 0.10 | tail protein, putative | R |

DePue Genome - Supplemental Table 6

| | | | |
|----------|------|---|-----|
| ORF03712 | 0.09 | tail/DNA circulation protein, putative | R |
| ORF03714 | 0.16 | conserved domain protein | |
| ORF03717 | 0.10 | tail tube protein, putative | |
| ORF03718 | 0.00 | conserved hypothetical protein | |
| ORF03720 | 0.00 | tail sheath protein, putative | R |
| ORF03721 | 0.00 | conserved hypothetical protein | |
| ORF03723 | 0.13 | hypothetical protein | |
| ORF03724 | 0.07 | hypothetical protein | |
| ORF03725 | 0.05 | hypothetical protein | |
| ORF03726 | 0.00 | hypothetical protein | |
| ORF03727 | 0.00 | lipoprotein, putative | |
| ORF03730 | 0.11 | conserved hypothetical protein | |
| ORF03732 | 0.23 | hypothetical protein | |
| ORF03733 | 0.09 | major head protein | |
| ORF03734 | 0.10 | conserved hypothetical protein | |
| ORF03736 | 0.17 | minor capsid protein C | O |
| ORF03738 | 0.19 | phage portal protein, lambda family | R |
| ORF03739 | 0.00 | hypothetical protein | |
| ORF03740 | 0.12 | hypothetical protein | |
| ORF03741 | 0.16 | DNA binding domain, excisionase family | |
| ORF03742 | 0.21 | terminase, large subunit, putative | R |
| ORF03744 | 0.12 | hypothetical protein | |
| ORF03745 | 0.11 | adenine specific DNA methyltransferase, putative | L |
| ORF03747 | 0.13 | conserved hypothetical protein | |
| ORF03748 | 0.00 | hypothetical protein | |
| ORF03750 | 0.15 | phage/plasmid primase, P4 family | R |
| ORF03804 | 0.21 | hypothetical protein | |
| ORF03969 | 0.08 | Mg-protoporphyrin IX monomethyl ester oxidative cyclase, putative | C |
| ORF04004 | 0.00 | methyl-accepting chemotaxis protein, putative | N/T |
| ORF04060 | 0.24 | hydrogenase maturation protein HypF (hypF) | O |
| ORF04191 | 0.11 | hypothetical protein | |
| ORF04294 | 0.24 | branched-chain amino acid aminotransferase (ilvE) | E/H |
| ORF04334 | 0.38 | hypothetical protein | |
| ORF04379 | 0.00 | lipoprotein, putative | |
| ORF04588 | 0.45 | hypothetical protein | |
| ORF04627 | 0.00 | hypothetical protein | |
| ORF04759 | 0.40 | conserved hypothetical protein | S |
| ORF04760 | 0.39 | ZIP zinc transporter family protein | P |
| ORF04801 | 0.18 | TonB domain protein | M |
| ORF04828 | 0.46 | shikimate 5-dehydrogenase (aroE) | E |
| ORF04873 | 0.00 | chemotaxis protein CheYI (cheYI) | T |
| ORF04958 | 0.07 | phage/plasmid primase, P4 family | R |
| ORF04960 | 0.00 | hypothetical protein | |
| ORF04961 | 0.00 | conserved hypothetical protein | |
| ORF04963 | 0.00 | adenine specific DNA methyltransferase, putative | L |
| ORF04964 | 0.16 | hypothetical protein | |
| ORF04966 | 0.08 | terminase, large subunit, putative | R |
| ORF04967 | 0.08 | hypothetical protein | |
| ORF04968 | 0.15 | hypothetical protein | |
| ORF04969 | 0.00 | phage portal protein, lambda family | R |
| ORF04971 | 0.11 | minor capsid protein C | O/U |
| ORF04973 | 0.10 | conserved hypothetical protein | |
| ORF04974 | 0.08 | major head protein | |
| ORF04975 | 0.14 | hypothetical protein | |

DePue Genome - Supplemental Table 6

| | | | |
|----------|------|--|---|
| ORF04976 | 0.06 | holin | R |
| ORF04977 | 0.09 | conserved hypothetical protein | |
| ORF04979 | 0.00 | lipoprotein, putative | |
| ORF04981 | 0.13 | hypothetical protein | |
| ORF04982 | 0.00 | hypothetical protein | |
| ORF04983 | 0.15 | hypothetical protein | |
| ORF04984 | 0.13 | hypothetical protein | |
| ORF04985 | 0.00 | conserved hypothetical protein | |
| ORF04987 | 0.00 | tail sheath protein, putative | R |
| ORF04988 | 0.00 | tail tube protein, putative | |
| ORF04991 | 0.11 | conserved hypothetical protein | |
| ORF04994 | 0.16 | conserved domain protein | |
| ORF04996 | 0.00 | tail/DNA circulation protein, putative | R |
| ORF04997 | 0.00 | tail protein, putative | R |
| ORF04999 | 0.16 | phage baseplate assembly protein V, putative | S |
| ORF05000 | 0.08 | tail protein, putative | S |
| ORF05002 | 0.12 | tail protein, putative | S |
| ORF05003 | 0.00 | tail protein, putative | S |
| ORF05006 | 0.31 | tail fiber assembly protein, putative | |
| ORF05008 | 0.08 | hypothetical protein | |
| ORF05010 | 0.11 | conserved hypothetical protein | |
| ORF05011 | 0.09 | conserved hypothetical protein | |
| ORF05012 | 0.14 | hypothetical protein | |
| ORF05014 | 0.12 | hypothetical protein | |

DePue Genome - Supplemental Table 6

| | | | |
|----------|------|--|-----|
| ORF05016 | 0.00 | conserved hypothetical protein | |
| ORF05017 | 0.09 | hypothetical protein | |
| ORF05020 | 0.36 | hypothetical protein | |
| ORF05021 | 0.26 | transcriptional regulator cII, putative | |
| ORF05022 | 0.19 | hypothetical protein | |
| ORF05023 | 0.12 | hypothetical protein | |
| ORF05025 | 0.13 | hypothetical protein | |
| ORF05027 | 0.27 | hypothetical protein | |
| ORF05028 | 0.21 | hypothetical protein | |
| ORF05031 | 0.15 | site-specific recombinase, phage integrase family | L |
| ORF05057 | 0.39 | membrane protein, putative | |
| ORF05063 | 0.49 | ATP-dependent RNA helicase, DEAD/DEAH box family | R |
| ORF05356 | 0.00 | chromate transport family protein | P |
| ORF05362 | 0.00 | Ech hydrogenase, subunit EchE, putative | C |
| ORF05439 | 0.13 | hypothetical protein | |
| ORF05440 | 0.13 | hypothetical protein | |
| ORF05445 | 0.00 | membrane protein, putative | |
| ORF05446 | 0.00 | hypothetical protein | |
| ORF05576 | 0.24 | hypothetical protein | |
| ORF05577 | 0.00 | hypothetical protein | |
| ORF05580 | 0.00 | hypothetical protein | |
| ORF05581 | 0.15 | hypothetical protein | |
| ORF05582 | 0.48 | NAD-dependent epimerase/dehydratase family protein | M/G |
| ORF05583 | 0.18 | hypothetical protein | |
| ORF05589 | 0.27 | hypothetical protein | |
| ORF05590 | 0.00 | lipoprotein, putative | |
| ORF05593 | 0.00 | glycosyl transferase, group 1 family protein, putative | M |
| ORF05594 | 0.45 | ISD1, transposase OrfA | |
| ORF05597 | 0.10 | ISD1, transposase OrfB | |
| ORF05598 | 0.34 | ISDvu4, transposase, truncation | |
| ORF05638 | 0.47 | hypothetical protein | |
| ORF05685 | 0.32 | ABC transporter, ATP-binding protein | Q |
| ORF05705 | 0.44 | sigma-54 dependent response regulator | T |
| ORF05707 | 0.33 | sensor histidine kinase/response regulator | T |
| ORF05709 | 0.11 | hypothetical protein | |
| ORF05749 | 0.17 | hypothetical protein | |
| ORF05750 | 0.00 | hypothetical protein | |
| ORF05751 | 0.18 | hypothetical protein | |
| ORF05752 | 0.00 | hypothetical protein | |
| ORF05753 | 0.48 | tail fiber protein, truncation | |
| ORF05755 | 0.00 | hypothetical protein | |
| ORF05761 | 0.15 | hypothetical protein | |
| ORF05762 | 0.00 | hypothetical protein | |
| ORF05763 | 0.00 | transcriptional regulator, putative | |
| ORF05766 | 0.00 | hypothetical protein | |
| ORF05769 | 0.00 | tail fiber protein, putative | |
| ORF05770 | 0.00 | hypothetical protein | |

DePue Genome - Supplemental Table 6

D. vulgaris ATCC 35115 (Marburg)

| Gene ID | Ratio to DvH | Predicted function | COG |
|----------|--------------|--|-----|
| ORF00024 | 0.00 | HspA protein, putative | |
| ORF00044 | 0.00 | hypothetical protein | |
| ORF00045 | 0.13 | exopolysaccharide production protein, putative | * |
| ORF00050 | 0.47 | hypothetical protein | * |
| ORF00120 | 0.48 | sensory transduction histidine kinase, putative | * |
| ORF00256 | 0.25 | hypothetical protein | * |
| ORF00290 | 0.19 | hypothetical protein | * |
| ORF00358 | 0.24 | lipoprotein, putative | * |
| ORF00523 | 0.39 | organic solvent tolerance protein, putative | * |
| ORF00618 | 0.37 | hypothetical protein | * |
| ORF00620 | 0.25 | hypothetical protein | * |
| ORF00621 | 0.09 | hypothetical protein | * |
| ORF00622 | 0.14 | Hemolysin-type calcium-binding proteins domain protein | * |
| ORF00704 | 0.00 | flagellar regulatory protein C (flrC) | * |
| ORF00763 | 0.21 | adenine specific DNA methyltransferase, putative | L |
| ORF00765 | 0.42 | tail fiber assembly protein, putative | |
| ORF00766 | 0.17 | tail fiber protein, putative | |
| ORF00771 | 0.15 | hypothetical protein | |
| ORF00774 | 0.18 | baseplate assembly protein, putative | |
| ORF00777 | 0.13 | baseplate assembly protein, putative | |
| ORF00778 | 0.16 | hypothetical protein | |
| ORF00779 | 0.33 | hypothetical protein | |
| ORF00781 | 0.00 | tail tape measure protein, FRAMESHIFT | |
| ORF00784 | 0.14 | hypothetical protein | |
| ORF00786 | 0.17 | ATPase domain protein | D |
| ORF00788 | 0.00 | hypothetical protein | |
| ORF00790 | 0.12 | hypothetical protein | |
| ORF00794 | 0.11 | hypothetical protein | |
| ORF00795 | 0.22 | virion morphogenesis protein | R |
| ORF00796 | 0.00 | conserved hypothetical protein | |
| ORF00797 | 0.00 | hypothetical protein | |
| ORF00798 | 0.00 | hypothetical protein | |
| ORF00800 | 0.00 | conserved hypothetical protein | |
| ORF00802 | 0.00 | conserved hypothetical protein | |
| ORF00803 | 0.00 | hypothetical protein | |
| ORF00805 | 0.00 | portal protein, putative | R |
| ORF00807 | 0.00 | conserved domain protein | |
| ORF00810 | 0.00 | hypothetical protein | |
| ORF00811 | 0.00 | hypothetical protein | |
| ORF00812 | 0.11 | lipoprotein, putative | |
| ORF00815 | 0.14 | lysozyme, putative | |
| ORF00816 | 0.10 | conserved hypothetical protein | |
| ORF00817 | 0.00 | DNA-binding domain protein | |
| ORF00818 | 0.00 | hypothetical protein | |
| ORF00819 | 0.00 | conserved hypothetical protein | |
| ORF00820 | 0.27 | hypothetical protein | |
| ORF00822 | 0.12 | DNA-binding protein HU, beta subunit (hupB) | L |
| ORF00823 | 0.00 | conserved domain protein | |
| ORF00824 | 0.00 | host-nuclease inhibitor protein Gam, putative | R |
| ORF00826 | 0.00 | hypothetical protein | |
| ORF00827 | 0.00 | hypothetical protein | |

DePue Genome - Supplemental Table 6

| | | | |
|----------|------|--|---|
| ORF00829 | 0.00 | bacteriophage DNA transposition B protein, putative | R |
| ORF00830 | 0.00 | bacteriophage transposase A protein, putative | |
| ORF00832 | 0.07 | hypothetical protein | |
| ORF00833 | 0.00 | transcriptional regulator, putative | |
| ORF00836 | 0.00 | hypothetical protein | |
| ORF00837 | 0.00 | transcriptional regulator, Cro/CI family | K |
| ORF00839 | 0.27 | hypothetical protein | |
| ORF00840 | 0.00 | transposase, degenerate | |
| ORF00842 | 0.20 | AlgI | M |
| ORF00843 | 0.00 | hypothetical protein | |
| ORF00845 | 0.26 | conserved hypothetical protein | |
| ORF00846 | 0.00 | hypothetical protein | |
| ORF00847 | 0.00 | hypothetical protein | |
| ORF00850 | 0.25 | protein kinase C inhibitor, putative | |
| ORF00851 | 0.13 | hypothetical protein | |
| ORF00852 | 0.00 | hypothetical protein | |
| ORF00854 | 0.13 | nitrogen regulation protein NR(I) (ntrC) | |
| ORF00856 | 0.17 | Histidine kinase-, DNA gyrase B-, phytochrome-like ATPase family | |
| ORF00857 | 0.14 | hypothetical protein | |
| ORF00860 | 0.19 | hypothetical protein | |
| ORF00862 | 0.17 | urea transporter, putative | |
| ORF00865 | 0.00 | hypothetical protein | |
| ORF00867 | 0.38 | hypothetical protein | |
| ORF00868 | 0.00 | major facilitator superfamily protein | |
| ORF00869 | 0.00 | aliphatic amidase (amiE) | |
| ORF00871 | 0.21 | hypothetical protein | |
| ORF00872 | 0.47 | hypothetical protein | |
| ORF00875 | 0.21 | hypothetical protein | |
| ORF00936 | 0.00 | fatty acid/phospholipid synthesis protein PlsX (plsX) | |
| ORF00938 | 0.00 | conserved hypothetical protein | |
| ORF01024 | 0.36 | outer membrane protein P1, putative | |
| ORF01032 | 0.00 | hypothetical protein | |
| ORF01033 | 0.40 | hypothetical protein | |
| ORF01035 | 0.00 | hypothetical protein | |
| ORF01037 | 0.48 | twitching motility protein PilT (pilT-1) | |
| ORF01050 | 0.36 | hypothetical protein | |
| ORF01305 | 0.37 | membrane protein, putative | |
| ORF01376 | 0.00 | hypothetical protein | |
| ORF01386 | 0.12 | conserved hypothetical protein | |
| ORF01388 | 0.07 | conserved domain protein | |
| ORF01389 | 0.00 | nuclease domain protein | |
| ORF01392 | 0.28 | tail fiber assembly protein, putative | |
| ORF01398 | 0.30 | minor tail protein, putative | |
| ORF01399 | 0.00 | hypothetical protein | |
| ORF01401 | 0.00 | tail tape measure protein, putative | |
| ORF01402 | 0.00 | conserved hypothetical protein | |
| ORF01404 | 0.00 | hypothetical protein | |
| ORF01406 | 0.00 | hypothetical protein | |
| ORF01410 | 0.15 | conserved hypothetical protein | |
| ORF01411 | 0.15 | hypothetical protein | |
| ORF01412 | 0.00 | major capsid protein, HK97 family | |
| ORF01415 | 0.12 | ClpP protease family protein | |
| ORF01416 | 0.16 | portal protein, HK97 family | |
| ORF01417 | 0.00 | terminase, large subunit | |

DePue Genome - Supplemental Table 6

| | | |
|----------|------|--|
| ORF01420 | 0.20 | terminase, small subunit |
| ORF01421 | 0.00 | holin, putative |
| ORF01422 | 0.00 | hypothetical protein |
| ORF01423 | 0.13 | hypothetical protein |
| ORF01426 | 0.00 | conserved hypothetical protein |
| ORF01431 | 0.08 | hypothetical protein |
| ORF01432 | 0.41 | conserved hypothetical protein |
| ORF01434 | 0.16 | hypothetical protein |
| ORF01436 | 0.22 | type II DNA modification methyltransferase, putative |
| ORF01437 | 0.11 | hypothetical protein |
| ORF01438 | 0.00 | transcriptional regulator cII, putative |
| ORF01439 | 0.00 | transcriptional regulator cI, truncation |
| ORF01445 | 0.00 | hypothetical protein |
| ORF01447 | 0.00 | hypothetical protein |
| ORF01448 | 0.00 | hypothetical protein |
| ORF01449 | 0.13 | hypothetical protein |
| ORF01450 | 0.00 | conserved hypothetical protein |
| ORF01452 | 0.24 | conserved domain protein |
| ORF01454 | 0.00 | site-specific recombinase, phage integrase family |
| ORF01486 | 0.00 | Hemolysin-type calcium-binding proteins domain protein |
| ORF01487 | 0.34 | hypothetical protein |
| ORF01488 | 0.31 | PAS domain S-box protein |
| ORF01508 | 0.00 | conserved domain protein |
| ORF01645 | 0.11 | hypothetical protein |
| ORF01660 | 0.38 | conserved hypothetical protein, degenerate, POINT MUTATION |
| ORF01681 | 0.00 | tRNA nucleotidyl transferase-related protein |
| ORF01691 | 0.16 | hypothetical protein |
| ORF01747 | 0.00 | C4-type zinc finger protein, DksA/TraR family |
| ORF01750 | 0.00 | hypothetical protein |
| ORF01754 | 0.00 | hypothetical protein |
| ORF01758 | 0.00 | hypothetical protein |
| ORF01759 | 0.00 | metallo-beta-lactamase superfamily domain protein |
| ORF01762 | 0.00 | hypothetical protein |
| ORF01764 | 0.00 | conserved hypothetical protein |
| ORF01766 | 0.17 | type I restriction-modification enzyme, R subunit |
| ORF01769 | 0.07 | hypothetical protein |
| ORF01770 | 0.27 | type I restriction-modification enzyme, S subunit |
| ORF01772 | 0.00 | hypothetical protein |
| ORF01773 | 0.00 | conserved hypothetical protein |
| ORF01775 | 0.00 | type I restriction-modification system, M subunit (hsdM) |
| ORF01777 | 0.00 | conserved hypothetical protein |
| ORF01780 | 0.18 | hypothetical protein |
| ORF01782 | 0.00 | hypothetical protein |
| ORF01783 | 0.00 | hypothetical protein |
| ORF01785 | 0.27 | conserved hypothetical protein |
| ORF01786 | 0.26 | hypothetical protein |
| ORF01788 | 0.00 | hypothetical protein |
| ORF01789 | 0.00 | hypothetical protein |
| ORF01790 | 0.00 | hypothetical protein |
| ORF01792 | 0.21 | conserved domain protein |
| ORF01793 | 0.00 | hypothetical protein |
| ORF01797 | 0.17 | hypothetical protein |
| ORF01798 | 0.00 | hypothetical protein |
| ORF01799 | 0.00 | hypothetical protein |

DePue Genome - Supplemental Table 6

| | | |
|----------|------|--|
| ORF01800 | 0.00 | phage uncharacterized protein, putative |
| ORF01801 | 0.28 | conserved hypothetical protein |
| ORF01802 | 0.11 | hypothetical protein |
| ORF01803 | 0.10 | hypothetical protein |
| ORF01808 | 0.00 | hypothetical protein |
| ORF01809 | 0.10 | hypothetical protein |
| ORF01810 | 0.00 | hypothetical protein |
| ORF01811 | 0.29 | hypothetical protein |
| ORF01812 | 0.10 | hypothetical protein |
| ORF01815 | 0.00 | hypothetical protein |
| ORF01816 | 0.21 | conserved hypothetical protein |
| ORF01818 | 0.00 | site-specific recombinase, phage integrase family |
| ORF01819 | 0.38 | hypothetical protein |
| ORF01821 | 0.00 | hypothetical protein |
| ORF01822 | 0.00 | hypothetical protein |
| ORF01823 | 0.16 | prevent-host-death family protein |
| ORF01824 | 0.15 | hypothetical protein |
| ORF01825 | 0.12 | helix-turn-helix domain protein |
| ORF01830 | 0.22 | C-5 cytosine-specific DNA methylase family protein |
| ORF01831 | 0.00 | ATPase, histidine kinase-, DNA gyrase B-like domain protein |
| ORF01833 | 0.00 | hypothetical protein |
| ORF01837 | 0.43 | hypothetical protein |
| ORF01838 | 0.18 | hypothetical protein |
| ORF01840 | 0.25 | hypothetical protein |
| ORF01842 | 0.43 | hypothetical protein |
| ORF01843 | 0.23 | hypothetical protein |
| ORF01844 | 0.00 | hypothetical protein |
| ORF01845 | 0.19 | hypothetical protein |
| ORF01846 | 0.16 | hypothetical protein |
| ORF01848 | 0.16 | hypothetical protein |
| ORF01849 | 0.31 | hypothetical protein |
| ORF01968 | 0.21 | succinyl-diaminopimelate desuccinylase (dapE-2) |
| ORF01970 | 0.16 | glucose inhibited division protein A (gidA) |
| ORF01971 | 0.00 | hypothetical protein |
| ORF01975 | 0.00 | hypothetical protein |
| ORF02015 | 0.48 | hypothetical protein |
| ORF02019 | 0.00 | cold shock domain family protein |
| ORF02236 | 0.00 | conserved domain protein |
| ORF02244 | 0.00 | hypothetical protein |
| ORF02259 | 0.00 | quaternary ammonium compound-resistance protein QacC, putative |
| ORF02261 | 0.00 | hypothetical protein |
| ORF02264 | 0.00 | hypothetical protein |
| ORF02266 | 0.24 | sulfate transporter family protein |
| ORF02270 | 0.00 | site-specific recombinase, phage integrase family, FRAMESHIFT |
| ORF02271 | 0.46 | hypothetical protein |
| ORF02273 | 0.00 | transposase, IS5 family, truncation |
| ORF02275 | 0.00 | ISDvu4, transposase |
| ORF02276 | 0.00 | hypothetical protein |
| ORF02278 | 0.34 | hypothetical protein |
| ORF02347 | 0.00 | transposase OrfA, IS3 family, degenerate |
| ORF02379 | 0.35 | HD domain protein |
| ORF02413 | 0.00 | GTP pyrophosphokinase (relA) |
| ORF02438 | 0.00 | carbon monoxide dehydrogenase accessory protein CooC |
| ORF02440 | 0.00 | universal stress protein family, putative |

DePue Genome - Supplemental Table 6

| | | |
|----------|------|---|
| ORF02447 | 0.00 | ParA family protein |
| ORF02448 | 0.00 | ParA family protein |
| ORF02450 | 0.26 | hypothetical protein |
| ORF02452 | 0.25 | hypothetical protein |
| ORF02461 | 0.46 | hypothetical protein |
| ORF02536 | 0.00 | conserved hypothetical protein |
| ORF02537 | 0.00 | hypothetical protein |
| ORF02540 | 0.00 | tail assembly protein, putative |
| ORF02542 | 0.00 | hypothetical protein |
| ORF02543 | 0.00 | hypothetical protein |
| ORF02544 | 0.00 | tail tape measure protein, putative |
| ORF02548 | 0.00 | hypothetical protein |
| ORF02549 | 0.00 | hypothetical protein |
| ORF02550 | 0.00 | hypothetical protein |
| ORF02552 | 0.00 | hypothetical protein |
| ORF02554 | 0.00 | hypothetical protein |
| ORF02557 | 0.00 | lipoprotein, putative |
| ORF02558 | 0.00 | lysozyme, putative |
| ORF02559 | 0.18 | holin |
| ORF02560 | 0.31 | hypothetical protein |
| ORF02561 | 0.18 | major head protein |
| ORF02563 | 0.42 | conserved hypothetical protein |
| ORF02565 | 0.00 | minor capsid protein C |
| ORF02567 | 0.21 | portal protein |
| ORF02568 | 0.26 | hypothetical protein |
| ORF02569 | 0.00 | hypothetical protein |
| ORF02578 | 0.17 | adenine specific DNA methyltransferase, putative |
| ORF02580 | 0.19 | hypothetical protein |
| ORF02581 | 0.13 | hypothetical protein |
| ORF02584 | 0.00 | ISDvu2, transposase OrfB |
| ORF02585 | 0.35 | ISDvu2, transposase OrfA |
| ORF02586 | 0.26 | hypothetical protein |
| ORF02589 | 0.00 | antirepressor, putative |
| ORF02593 | 0.00 | hypothetical protein |
| ORF02594 | 0.00 | hypothetical protein |
| ORF02595 | 0.11 | DNA-binding domain protein, excisionase family |
| ORF02596 | 0.00 | terminase, large subunit, putative |
| ORF02597 | 0.00 | hypothetical protein |
| ORF02598 | 0.00 | hypothetical protein |
| ORF02601 | 0.20 | primase, putative |
| ORF02602 | 0.29 | transcriptional regulator cII, putative |
| ORF02604 | 0.18 | transcriptional regulator, putative |
| ORF02606 | 0.29 | hypothetical protein |
| ORF02607 | 0.24 | hypothetical protein |
| ORF02609 | 0.19 | hypothetical protein |
| ORF02610 | 0.00 | hypothetical protein |
| ORF02612 | 0.42 | hypothetical protein |
| ORF02613 | 0.21 | hypothetical protein |
| ORF02614 | 0.13 | site-specific recombinase, phage integrase family |
| ORF02703 | 0.32 | MutT/nudix family protein family |
| ORF02733 | 0.00 | hypothetical protein |
| ORF02735 | 0.19 | Major Outer Sheath Protein C-terminal region family |
| ORF02736 | 0.33 | hypothetical protein |
| ORF02737 | 0.23 | hypothetical protein |

DePue Genome - Supplemental Table 6

| | | |
|----------|------|---|
| ORF02738 | 0.00 | hypothetical protein |
| ORF02745 | 0.48 | pyruvate formate-lyase activating enzyme, putative |
| ORF02756 | 0.38 | hypothetical protein |
| ORF02923 | 0.35 | hypothetical protein |
| ORF02925 | 0.22 | Bacterial regulatory helix-turn-helix proteins, araC family protein |
| ORF02927 | 0.23 | peptidase, M16 family, putative |
| ORF02928 | 0.14 | ABC transporter, ATP-binding protein |
| ORF02930 | 0.15 | hypothetical protein |
| ORF02932 | 0.34 | hypothetical protein |
| ORF02934 | 0.23 | tonB dependent receptor domain protein |
| ORF02936 | 0.00 | ABC transporter, periplasmic substrate-binding protein |
| ORF02937 | 0.24 | ABC transporter, permease protein |
| ORF02940 | 0.12 | ABC transporter, permease protein |
| ORF02942 | 0.21 | ABC transporter, ATP-binding protein |
| ORF02945 | 0.44 | tolQ protein (tolQ) |
| ORF02947 | 0.21 | ExbD/TolR family protein (tolR) |
| ORF02953 | 0.18 | hypothetical protein |
| ORF03120 | 0.27 | N-(5'-phosphoribosyl)anthranilate isomerase (trpF) |
| ORF03124 | 0.21 | thioesterase family protein |
| ORF03128 | 0.42 | lipoprotein, putative |
| ORF03129 | 0.20 | hypothetical protein |
| ORF03240 | 0.31 | dethiobiotin synthetase (bioD) |
| ORF03321 | 0.00 | TPR Domain domain protein |
| ORF03434 | 0.22 | peptidase, S24 family |
| ORF03449 | 0.28 | hypothetical protein |
| ORF03453 | 0.38 | hypothetical protein |
| ORF03460 | 0.29 | virion morphogenesis protein |
| ORF03463 | 0.20 | hypothetical protein |
| ORF03478 | 0.13 | hypothetical protein |
| ORF03494 | 0.16 | membrane protein, putative |
| ORF03496 | 0.40 | hypothetical protein |
| ORF03543 | 0.40 | C_GCAXxG_C_C family protein |
| ORF03644 | 0.35 | hypothetical protein |
| ORF03662 | 0.38 | formate acetyltransferase |
| ORF03668 | 0.00 | site-specific recombinase, phage integrase family |
| ORF03670 | 0.00 | hypothetical protein |
| ORF03671 | 0.24 | hypothetical protein |
| ORF03674 | 0.00 | hypothetical protein |
| ORF03675 | 0.00 | transcriptional regulator cII, putative |
| ORF03676 | 0.16 | hypothetical protein |
| ORF03677 | 0.12 | hypothetical protein |
| ORF03679 | 0.11 | transcriptional regulator, putative |
| ORF03680 | 0.10 | hypothetical protein |
| ORF03682 | 0.00 | conserved hypothetical protein |
| ORF03685 | 0.00 | conserved hypothetical protein |
| ORF03687 | 0.00 | conserved hypothetical protein |
| ORF03689 | 0.16 | conserved hypothetical protein |
| ORF03692 | 0.22 | type II restriction endonuclease, putative |
| ORF03693 | 0.11 | type II DNA modification methyltransferase, putative |
| ORF03694 | 0.00 | DNA mismatch endonuclease Vsr, putative |
| ORF03695 | 0.00 | hypothetical protein |
| ORF03697 | 0.13 | HIT family protein |
| ORF03698 | 0.16 | hypothetical protein |
| ORF03700 | 0.00 | hypothetical protein |

DePue Genome - Supplemental Table 6

| | | |
|----------|------|--|
| ORF03702 | 0.23 | tail fiber assembly protein, putative |
| ORF03703 | 0.22 | tail fiber protein, putative |
| ORF03704 | 0.00 | tail protein, putative |
| ORF03706 | 0.00 | tail protein, putative |
| ORF03708 | 0.21 | tail protein, putative |
| ORF03709 | 0.00 | phage baseplate assembly protein V, putative |
| ORF03711 | 0.00 | tail protein, putative |
| ORF03712 | 0.00 | tail/DNA circulation protein, putative |
| ORF03714 | 0.00 | conserved domain protein |
| ORF03717 | 0.11 | tail tube protein, putative |
| ORF03718 | 0.00 | conserved hypothetical protein |
| ORF03720 | 0.00 | tail sheath protein, putative |
| ORF03721 | 0.00 | conserved hypothetical protein |
| ORF03723 | 0.16 | hypothetical protein |
| ORF03724 | 0.00 | hypothetical protein |
| ORF03725 | 0.07 | hypothetical protein |
| ORF03726 | 0.00 | hypothetical protein |
| ORF03727 | 0.00 | lipoprotein, putative |
| ORF03730 | 0.14 | conserved hypothetical protein |
| ORF03732 | 0.27 | hypothetical protein |
| ORF03733 | 0.00 | major head protein |
| ORF03734 | 0.00 | conserved hypothetical protein |
| ORF03736 | 0.15 | minor capsid protein C |
| ORF03738 | 0.18 | phage portal protein, lambda family |
| ORF03739 | 0.00 | hypothetical protein |
| ORF03740 | 0.10 | hypothetical protein |
| ORF03741 | 0.20 | DNA binding domain, excisionase family |
| ORF03742 | 0.29 | terminase, large subunit, putative |
| ORF03744 | 0.16 | hypothetical protein |
| ORF03745 | 0.11 | adenine specific DNA methyltransferase, putative |
| ORF03747 | 0.15 | conserved hypothetical protein |
| ORF03748 | 0.00 | hypothetical protein |
| ORF03750 | 0.00 | phage/plasmid primase, P4 family |
| ORF03804 | 0.26 | hypothetical protein |
| ORF03927 | 0.27 | glycosyl transferase, group 2 family protein domain protein |
| ORF03929 | 0.22 | glycosyl transferase, group 2 family protein domain protein |
| ORF03932 | 0.15 | glycosyl transferase, group 1 family protein domain protein |
| ORF03934 | 0.15 | NAD-dependent epimerase/dehydratase family protein, putative |
| ORF03936 | 0.00 | hypothetical protein |
| ORF03937 | 0.17 | hypothetical protein |
| ORF03938 | 0.49 | methionyl-tRNA formyltransferase, putative |
| ORF03940 | 0.30 | hypothetical protein |
| ORF03941 | 0.00 | conserved domain protein |
| ORF03943 | 0.34 | conserved hypothetical protein |
| ORF03945 | 0.00 | hypothetical protein |
| ORF03947 | 0.18 | moaA / nifB / pqqE family family |
| ORF03948 | 0.00 | perosamine synthase (rfbE) |
| ORF03950 | 0.24 | Cytidylyltransferase family (spsF) |
| ORF03951 | 0.00 | hypothetical protein |
| ORF03953 | 0.24 | neuB protein, putative |
| ORF03955 | 0.16 | hypothetical protein |
| ORF03957 | 0.00 | perosamine synthetase (lpsC) |
| ORF03958 | 0.23 | conserved hypothetical protein |
| ORF03960 | 0.22 | membrane protein, putative |

DePue Genome - Supplemental Table 6

| | | |
|----------|------|---|
| ORF03962 | 0.17 | dolichol-phosphate mannosyltransferase (dmt) |
| ORF03966 | 0.00 | conserved domain protein |
| ORF03969 | 0.10 | Mg-protoporphyrin IX monomethyl ester oxidative cyclase, putative |
| ORF03970 | 0.26 | hypothetical protein |
| ORF03972 | 0.00 | moaA / nifB / pqqE family family |
| ORF03973 | 0.16 | oxidative cyclase, putative |
| ORF04060 | 0.24 | hydrogenase maturation protein HypF (hypF) |
| ORF04068 | 0.46 | oxidoreductase, putative |
| ORF04191 | 0.14 | hypothetical protein |
| ORF04220 | 0.00 | glucosamine--fructose-6-phosphate aminotransferase (isomerizing) |
| ORF04294 | 0.29 | branched-chain amino acid aminotransferase (ilvE) |
| ORF04379 | 0.00 | lipoprotein, putative |
| ORF04503 | 0.24 | hypothetical protein |
| ORF04517 | 0.46 | hypothetical protein |
| ORF04627 | 0.00 | hypothetical protein |
| ORF04801 | 0.19 | TonB domain protein |
| ORF04873 | 0.00 | chemotaxis protein CheYI (cheYI) |
| ORF04958 | 0.08 | phage/plasmid primase, P4 family |
| ORF04960 | 0.00 | hypothetical protein |
| ORF04961 | 0.00 | conserved hypothetical protein |
| ORF04963 | 0.00 | adenine specific DNA methyltransferase, putative |
| ORF04964 | 0.18 | hypothetical protein |
| ORF04966 | 0.08 | terminase, large subunit, putative |
| ORF04967 | 0.09 | hypothetical protein |
| ORF04968 | 0.17 | hypothetical protein |
| ORF04969 | 0.00 | phage portal protein, lambda family |
| ORF04971 | 0.14 | minor capsid protein C |
| ORF04973 | 0.00 | conserved hypothetical protein |
| ORF04974 | 0.08 | major head protein |
| ORF04975 | 0.14 | hypothetical protein |
| ORF04976 | 0.00 | holin |
| ORF04977 | 0.08 | conserved hypothetical protein |
| ORF04979 | 0.00 | lipoprotein, putative |
| ORF04981 | 0.14 | hypothetical protein |
| ORF04982 | 0.00 | hypothetical protein |
| ORF04983 | 0.17 | hypothetical protein |
| ORF04984 | 0.14 | hypothetical protein |
| ORF04985 | 0.00 | conserved hypothetical protein |
| ORF04987 | 0.00 | tail sheath protein, putative |
| ORF04988 | 0.00 | tail tube protein, putative |
| ORF04991 | 0.12 | conserved hypothetical protein |
| ORF04994 | 0.17 | conserved domain protein |
| ORF04996 | 0.00 | tail/DNA circulation protein, putative |
| ORF04997 | 0.00 | tail protein, putative |
| ORF04999 | 0.18 | phage baseplate assembly protein V, putative |
| ORF05000 | 0.00 | tail protein, putative |
| ORF05002 | 0.15 | tail protein, putative |
| ORF05003 | 0.00 | tail protein, putative |
| ORF05004 | 0.49 | tail fiber protein, putative |
| ORF05006 | 0.50 | tail fiber assembly protein, putative |
| ORF05008 | 0.10 | hypothetical protein |
| ORF05010 | 0.00 | conserved hypothetical protein |
| ORF05011 | 0.11 | conserved hypothetical protein |
| ORF05012 | 0.16 | hypothetical protein |

DePue Genome - Supplemental Table 6

| | | |
|----------|------|--|
| ORF05014 | 0.15 | hypothetical protein |
| ORF05016 | 0.00 | conserved hypothetical protein |
| ORF05017 | 0.16 | hypothetical protein |
| ORF05021 | 0.26 | transcriptional regulator cII, putative |
| ORF05022 | 0.20 | hypothetical protein |
| ORF05023 | 0.14 | hypothetical protein |
| ORF05025 | 0.18 | hypothetical protein |
| ORF05027 | 0.35 | hypothetical protein |
| ORF05028 | 0.25 | hypothetical protein |
| ORF05031 | 0.16 | site-specific recombinase, phage integrase family |
| ORF05063 | 0.49 | ATP-dependent RNA helicase, DEAD/DEAH box family |
| ORF05125 | 0.19 | hypothetical protein |
| ORF05127 | 0.18 | hypothetical protein |
| ORF05140 | 0.36 | hypothetical protein |
| ORF05258 | 0.39 | hypothetical protein |
| ORF05260 | 0.00 | hypothetical protein |
| ORF05261 | 0.31 | hypothetical protein |
| ORF05264 | 0.31 | hypothetical protein |
| ORF05265 | 0.00 | conserved hypothetical protein |
| ORF05267 | 0.09 | membrane protein, putative |
| ORF05268 | 0.00 | CoA-binding domain protein |
| ORF05269 | 0.18 | pyruvate ferredoxin/flavodoxin oxidoreductase family |
| ORF05271 | 0.00 | glutamate dehydrogenase, putative |
| ORF05272 | 0.27 | hypothetical protein |
| ORF05273 | 0.22 | thioredoxin reductase (trxB) |
| ORF05274 | 0.14 | thioredoxin, putative |
| ORF05277 | 0.31 | DNR protein, putative |
| ORF05279 | 0.18 | sulfatase family protein [imported], putative |
| ORF05280 | 0.27 | hypothetical protein |
| ORF05281 | 0.09 | Na ⁺ /H ⁺ antiporter NhaC (nhaC) |
| ORF05282 | 0.00 | hypothetical protein |
| ORF05292 | 0.00 | amino acid ABC transporter, permease protein |
| ORF05312 | 0.00 | hypothetical protein |
| ORF05356 | 0.00 | chromate transport family protein |
| ORF05362 | 0.00 | Ech hydrogenase, subunit EchE, putative |
| ORF05389 | 0.20 | DNA polymerase III, epsilon subunit, putative |
| ORF05430 | 0.00 | anthranilate phosphoribosyltransferase (trpD) |
| ORF05439 | 0.15 | hypothetical protein |
| ORF05440 | 0.19 | hypothetical protein |
| ORF05445 | 0.00 | membrane protein, putative |
| ORF05446 | 0.00 | hypothetical protein |
| ORF05576 | 0.26 | hypothetical protein |
| ORF05577 | 0.00 | hypothetical protein |
| ORF05580 | 0.00 | hypothetical protein |
| ORF05581 | 0.17 | hypothetical protein |
| ORF05582 | 0.39 | NAD-dependent epimerase/dehydratase family protein |
| ORF05583 | 0.00 | hypothetical protein |
| ORF05586 | 0.00 | ISDvu3, transposase OrfB POINT MUTATION |
| ORF05589 | 0.26 | hypothetical protein |
| ORF05590 | 0.00 | lipoprotein, putative |
| ORF05593 | 0.00 | glycosyl transferase, group 1 family protein, putative |
| ORF05598 | 0.38 | ISDvu4, transposase, truncation |
| ORF05691 | 0.00 | hypothetical protein |
| ORF05693 | 0.35 | hypothetical protein |

DePue Genome - Supplemental Table 6

| | | |
|----------|------|--|
| ORF05705 | 0.41 | sigma-54 dependent response regulator |
| ORF05707 | 0.45 | sensor histidine kinase/response regulator |
| ORF05709 | 0.17 | hypothetical protein |
| ORF05749 | 0.22 | hypothetical protein |
| ORF05750 | 0.00 | hypothetical protein |
| ORF05751 | 0.00 | hypothetical protein |
| ORF05752 | 0.00 | hypothetical protein |
| ORF05753 | 0.00 | tail fiber protein, truncation |
| ORF05754 | 0.09 | hypothetical protein |
| ORF05755 | 0.00 | hypothetical protein |
| ORF05756 | 0.00 | conserved domain protein |
| ORF05757 | 0.00 | hypothetical protein |
| ORF05758 | 0.00 | hypothetical protein |
| ORF05759 | 0.14 | hypothetical protein |
| ORF05760 | 0.00 | head-tail adaptor, putative |
| ORF05761 | 0.00 | hypothetical protein |
| ORF05762 | 0.00 | hypothetical protein |
| ORF05763 | 0.00 | transcriptional regulator, putative |
| ORF05764 | 0.13 | hypothetical protein |
| ORF05765 | 0.00 | hypothetical protein |
| ORF05766 | 0.00 | hypothetical protein |
| ORF05767 | 0.19 | hypothetical protein |
| ORF05769 | 0.00 | tail fiber protein, putative |
| ORF05770 | 0.00 | hypothetical protein |

D. vulgaris NCIMB 8446 (Llanelly)

| Gene ID | Ratio to DvH | Predicted function | COG |
|----------|--------------|--|-----|
| ORF00024 | 0.00 | HspA protein, putative | O |
| ORF00936 | 0.00 | fatty acid/phospholipid synthesis protein PlsX (plsX) | |
| ORF02259 | 0.00 | quaternary ammonium compound-resistance protein QacC, putative | P |
| ORF02261 | 0.00 | hypothetical protein | |
| ORF02270 | 0.00 | site-specific recombinase, phage integrase family, FRAMESHIFT | |
| ORF02413 | 0.00 | GTP pyrophosphokinase (relA) | T |
| ORF02584 | 0.49 | ISDvu2, transposase OrfB | |
| ORF03682 | 0.41 | conserved hypothetical protein | S |
| ORF04873 | 0.00 | chemotaxis protein CheYI (cheYI) | T |
| ORF05292 | 0.00 | amino acid ABC transporter, permease protein, His/Glu/Gln/Arg/opine family | E |
| ORF05312 | 0.00 | hypothetical protein | |
| ORF05356 | 0.00 | chromate transport family protein | P |
| ORF05362 | 0.00 | Ech hydrogenase, subunit EchE, putative | C |
| ORF05446 | 0.37 | hypothetical protein | |
| ORF05584 | 0.00 | ISDvu3, transposase OrfA | |