Table S1: Host genes correlated with bacterial sequence tag abundance

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| **Transcript**  | **r value** | **Transcript**  | **r value** |
| coiled-coil domain containing 84  | -0.970 | zinc finger protein 576  | 0.778 |
| malonyl-CoA decarboxylase  | -0.962 | AC096579.14  | 0.779 |
| carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9  | -0.884 | phosphodiesterase 4D interacting protein  | 0.780 |
| KIN antigenic determinant of recA protein  | -0.882 | nucleoporin 88kDa  | 0.782 |
| neuroblastoma breakpoint family member 20  | -0.874 | BX571672.2  | 0.785 |
| TSPY-like 6  | -0.869 | lectin galactoside-binding soluble 8  | 0.800 |
| Uncharacterized protein C4orf34  | -0.868 | mitochondrial ribosomal protein S5  | 0.808 |
| zinc finger family member 767  | -0.856 | netrin 1  | 0.829 |
| zinc finger protein 607  | -0.842 | HMG-box transcription factor 1  | 0.832 |
| nephronophthisis 3 (adolescent)  | -0.837 | C1q and tumor necrosis factor related protein 6  | 0.832 |
| zinc finger protein 862  | -0.834 | poly(A) polymerase gamma  | 0.834 |
|  O-sialoglycoprotein endopeptidase-like 1  | -0.827 | tight junction associated protein 1 (peripheral)  | 0.840 |
|  EF-hand domain (C-terminal) containing 1  | -0.826 | serine peptidase inhibitor-like with Kunitz and WAP domains 1 (eppin)  | 0.875 |
| zinc finger protein 132  | -0.821 |  Protein SMG9 (Protein smg-9 homolog)  | 0.914 |
| MICAL-like 2  | -0.817 |  |  |
| zinc finger protein 845  | -0.817 |  |  |
| RP11-261C10.3  | -0.813 |  |  |
| Uncharacterized protein C1orf190  | -0.813 |  |  |
| RP11-236F9.4  | -0.809 |  |  |
| Uncharacterized protein C3orf62  | -0.806 |  |  |
| Plasma glutamate carboxypeptidase Precursor  | -0.805 |  |  |
| septin 7 pseudogene 2  | -0.804 |  |  |
|  RP11-284F21.5  | -0.802 |  |  |
| WAS protein family homolog 6 pseudogene  | -0.797 |  |  |
| UBX domain protein 4  | -0.791 |  |  |
| zinc finger protein 506  | -0.790 |  |  |
| TYRO3 protein tyrosine kinase  | -0.786 |  |  |
| transmembrane protein 170A  | -0.784 |  |  |
| basic leucine zipper nuclear factor 1  | -0.781 |  |  |
| NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 1 7.5kDa  | -0.780 |  |  |
| RAS and EF-hand domain containing  | -0.778 |  |  |
| amyloid beta (A4) precursor protein-binding family A member 2  | -0.777 |  |  |
| SON DNA binding protein  | -0.774 |  |  |
| zinc finger protein 397  | -0.774 |  |  |
| UPF0550 protein C7orf28  | -0.774 |  |  |
| potassium intermediate/small conductance calcium-activated channel subfamily N member 3  | -0.768 |  |  |
| G patch domain containing 4  | -0.767 |  |  |
| dymeclin  | -0.767 |  |  |
|  RP11-287A8.2  | -0.766 |  |  |
| DDRGK domain containing 1  | -0.764 |  |  |
| sideroflexin 3  | -0.763 |  |  |
| ubiquinol-cytochrome c reductase complex III subunit XI  | -0.762 |  |  |
| Rab acceptor 1 (prenylated)  | -0.758 |  |  |
| paired immunoglobin-like type 2 receptor beta  | -0.757 |  |  |
| GDP dissociation inhibitor 1  | -0.757 |  |  |
| COBW domain containing 5  | -0.755 |  |  |
| ubiquitin-conjugating enzyme E2Z  | -0.754 |  |  |
| ArfGAP with coiled-coil ankyrin repeat and PH domains 3  | -0.753 |  |  |
| dynein cytoplasmic 1 light intermediate chain 1  | -0.748 |  |  |
| coiled-coil domain containing 66  | -0.747 |  |  |
| DEAH (Asp-Glu-Ala-His) box polypeptide 37  | -0.747 |  |  |
| zinc finger protein 800  | -0.746 |  |  |
| pecanex-like 3  | -0.745 |  |  |
| membrane-associated ring finger  | -0.744 |  |  |
| protocadherin gamma subfamily C 3  | -0.743 |  |  |
| Probable E3 ubiquitin-protein ligase KIAA0614  | -0.742 |  |  |
| zinc finger and BTB domain containing 20  | -0.742 |  |  |
| breast carcinoma amplified sequence 3  | -0.740 |  |  |
| RAB member of RAS oncogene family-like 2A  | -0.739 |  |  |
| solute carrier family 12 (potassium/chloride transporters) member 6  | -0.736 |  |  |
| arginine-glutamic acid dipeptide (RE) repeats  | -0.736 |  |  |