**Table S7 Correlation coefficient of gene expression level and polysaccharide content.** \* indicates significant correlation (P-value<0.05, r>0.9).

|  |  |  |
| --- | --- | --- |
| GENE1 | P-value | Correlation coefficient |
| TRINITY\_DN193194\_c0\_g1 | 0.324717387 | 0.675282613 |
| TRINITY\_DN82117\_c0\_g5 | 0.124574363 | -0.875425638 |
| TRINITY\_DN82527\_c0\_g2 | 0.570461798 | -0.429538202 |
| TRINITY\_DN83085\_c1\_g5 | 0.6939466 | 0.3060534 |
| TRINITY\_DN83458\_c1\_g5 | 0.093277491 | 0.906722509 |
| TRINITY\_DN83458\_c1\_g5 | 0.093277491 | 0.906722509 |
| TRINITY\_DN83830\_c3\_g2 | 0.783331145 | 0.216668855 |
| TRINITY\_DN83861\_c1\_g2 | 0.037060034 | 0.962939966\* |
| TRINITY\_DN84086\_c1\_g1 | 0.113620982 | -0.886379018 |
| TRINITY\_DN87479\_c0\_g1 | 0.044020676 | -0.955979324\* |
| TRINITY\_DN87865\_c1\_g5 | 0.066765597 | -0.933234403 |
| TRINITY\_DN88611\_c1\_g1 | 0.392859061 | -0.607140939 |
| TRINITY\_DN89363\_c3\_g4 | 0.176047859 | 0.823952141 |
| TRINITY\_DN89461\_c0\_g1 | 0.483495816 | -0.516504184 |
| TRINITY\_DN89461\_c0\_g3 | 0.472952659 | -0.527047341 |
| TRINITY\_DN89907\_c1\_g2 | 0.905612004 | -0.094387996 |
| TRINITY\_DN90463\_c2\_g1 | 0.17264225 | 0.82735775 |
| TRINITY\_DN91060\_c3\_g5 | 0.514285657 | 0.485714343 |
| TRINITY\_DN91806\_c0\_g3 | 0.476503315 | 0.523496685 |
| TRINITY\_DN92023\_c2\_g3 | 0.022907056 | -0.977092944\* |
| TRINITY\_DN92244\_c2\_g3 | 0.025605009 | -0.974394991\* |
| TRINITY\_DN92316\_c0\_g1 | 0.437443249 | -0.562556751 |
| TRINITY\_DN92951\_c3\_g1 | 0.513929676 | 0.486070324 |
| TRINITY\_DN93239\_c0\_g2 | 0.321710085 | -0.678289915 |
| TRINITY\_DN93742\_c2\_g1 | 0.023770593 | -0.976229407\* |
| TRINITY\_DN94648\_c0\_g4 | 0.759414895 | 0.240585105 |
| TRINITY\_DN95388\_c1\_g6 | 0.589257137 | 0.410742863 |
| TRINITY\_DN95705\_c0\_g3 | 0.01365868 | -0.98634132\* |
| TRINITY\_DN95773\_c1\_g1 | 0.152658823 | 0.847341177 |
| TRINITY\_DN96635\_c0\_g1 | 0.043132876 | -0.956867124\* |
| TRINITY\_DN96822\_c1\_g1 | 0.876651733 | 0.123348267 |
| TRINITY\_DN96822\_c1\_g4 | 0.167000819 | -0.832999181 |
| TRINITY\_DN97446\_c5\_g2 | 0.094584996 | -0.905415004 |
| TRINITY\_DN97571\_c1\_g4 | 0.453946954 | 0.546053046 |