

**Table S2** AaLTPs with significantly changed expression levels (FPKM) in *AaHD8*-RANi line

| GeneID                    | Means-CK    | Means-iAaHD8 | log2Ratio(iAaHD8/CK<br>) | fold     | Up-Down-Regulation(i<br>AaHD8/CK) |
|---------------------------|-------------|--------------|--------------------------|----------|-----------------------------------|
| contig108747 <sup>a</sup> | 994.545     | 8.7450795    | -6.829434456             | 0.008793 | Down                              |
| contig005879 <sup>b</sup> | 493.783295  | 5.7332975    | -6.443979543             | 0.011604 | Down                              |
| contig116158 <sup>c</sup> | 32.82333333 | 160.88       | 2.293191324              | 4.901391 | Up                                |
| contig167287 <sup>d</sup> | 3.763333333 | 32.71333333  | 3.119795785              | 8.692648 | Up                                |
| contig002790              | 39.43       | 29.31        | -0.427900742             | 0.743343 | Down                              |
| contig120622              | 1.613333333 | 0.71         | -1.184153617             | 0.440083 | Down                              |
| contig019069              | 779.8433333 | 574.3833333  | -0.441170435             | 0.736537 | Down                              |
| contig004052              | 1.516666667 | 2.963333333  | 0.966316874              | 1.953846 | Up                                |
| contig019154              | 12.67333333 | 8.313333333  | -0.608297067             | 0.655971 | Down                              |
| contig002540              | 77.79333333 | 52.51666667  | -0.566871177             | 0.675079 | Down                              |
| contig002062              | 7.796666667 | 12.52666667  | 0.684073205              | 1.60667  | Up                                |
| contig017202              | 6.656666667 | 3.683333333  | -0.853787963             | 0.55333  | Down                              |
| contig004802              | 7.31        | 4.086666667  | -0.838946833             | 0.559052 | Down                              |
| contig104652              | 76.30333333 | 121.77       | 0.674340758              | 1.595867 | Up                                |
| contig109432              | 57.95333333 | 30.04        | -0.948006831             | 0.518348 | Down                              |
| contig006015              | 473.2733333 | 246.91       | -0.938688368             | 0.521707 | Down                              |
| contig017010              | 56.07       | 28.21333333  | -0.990851943             | 0.503181 | Down                              |
| contig002012              | 16.49666667 | 7.886666667  | -1.064686969             | 0.478076 | Down                              |
| contig000046              | 93.33333333 | 46.32333333  | -1.010653351             | 0.496321 | Down                              |
| contig018733              | 657.4433333 | 313.7        | -1.067481021             | 0.477151 | Down                              |
| contig018532              | 1.54        | 5.77         | 1.905640968              | 3.746753 | Up                                |
| contig008782              | 10.24666667 | 2.23         | -2.200039049             | 0.217632 | Down                              |
| contig117803              | 12.42       | 3.013333333  | -2.043232997             | 0.242619 | Down                              |
| contig104322              | 7.766666667 | 1.143333333  | -2.764049473             | 0.14721  | Down                              |
| contig098168              | 52.86       | 12.05333333  | -2.132744248             | 0.228024 | Down                              |
| contig018825              | 439.39      | 47.4         | -3.212543072             | 0.107877 | Down                              |
| contig018897              | 20.74       | 0.676666667  | -4.937826762             | 0.032626 | Down                              |
| contig018951              | 24.16666667 | 0.74         | -5.029349413             | 0.030621 | Down                              |

<sup>a</sup>contig108747: *AaLtpI.14*; <sup>b</sup>contig005879: *AaLtpI.6*;

<sup>c</sup>contig116158: *AaLtpI.7*; <sup>d</sup>contig167287: *AaLtpI.8*.