**Table S14** List of candidate genes within KAV-associated chromosomal bins that aligned to evidence supported genes.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Gene ID**1 | **Chr**2 | **Start**2 | **End**2 | **Query**3 | **Gene Set**3 |
| GRMZM2G035243 | 1 | 15168789 | 15171560 | SAUR23 | auxin |
| GRMZM2G303463 | 2 | 227264500 | 227268560 | ARF12 | auxin |
| GRMZM2G412085 | 3 | 2811806 | 2813735 | SAUR23 | auxin |
| GRMZM2G168704 | 3 | 5823074 | 5823678 | crr1 | cytokinin |
| GRMZM2G177220 | 3 | 165897260 | 165901223 | ARR11 | cytokinin |
| GRMZM2G033359 | 3 | 194424615 | 194428239 | GH3.8 | auxin |
| GRMZM2G176841 | 3 | 201182487 | 201185704 | AUX1 | auxin |
| GRMZM2G471304 | 4 | 236378470 | 236379262 | SAUR14 | auxin |
| GRMZM2G113135 | 5 | 22998056 | 22998869 | SAUR56 | auxin |
| GRMZM2G053338 | 7 | 162669667 | 162672151 | GH3.8 | auxin |
| GRMZM2G143187 | 9 | 154096524 | 154099391 | SAUR23 | auxin |
| GRMZM2G456644 | 10 | 141552329 | 141553228 | SAUR11 | auxin |

1 Candidate genes located within KAV-associated chromosomal bins and hit by evidence-supported genes after BLAST.

2 Physical positions according to B73 RefGen\_v2.

3 Query genes and gene sets they belong to.