**Additional file 1: Table S1**. Details of SSR marker linked to the *AHAS* gene which was used in foreground selection

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Markers** | **Primer Sequences** | **Tm** | **PB1121 Allele** |  **Robin Mutant Allele** | **Position**  |
| RM6844 | F: AGTCCAAGAAAGGCACGAGAGG | 58℃ | 140bp | 200bp | 1.2 cM |
| R: CTGCATCGAAGAAGAAGAAGAAGC |  |  |  |

**Additional file 2: Table S2.** Details of SSR markers used for parental polymorphic survey.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Markers used for** | **Total No. of Markers****surveyed** | **Total No. of Polymorphic****markers** | **Polymorphic****Markers used** | **Polymorphism****(%)** |
| **Foreground** | 1 | 1 | 1 | - |
| **Background\*** | 856 | 112 | 112 | 13.08 |
| **Chromosome 2** | 96 | 18 | 18 | 18.75 |

 ∗Includes markers on Chromosome 2

**Additional file 3: Table S3**. Details of nks\_badh2 gene based SSR marker for aroma

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Markers** | **Primer Sequences** | **Tm** | **PB1121 Allele** | **Robin Mutant Allele** | **Position (Mb)** |
| nks\_badh2 | F: GGTTGCATTTACTGGGAGTTATG R: TCCACAGAAATTTGGAAACAAA | 58℃ | 82bp | 90bp | Gene based |
|  |  |  |  |