

附表 1 材料编号、品种名、来源省份及表型鉴定结果

Supplementary Table 1 Accession Number, Variety Name, Province of Origin, and Phenotypic Identification Results

| 编号 No. | 名称 Variety name | 来源 Origin | KOH 法 Aroma phenotype by KOH method | 突变位点 Mutation site |
|--------|---|-----------------------------|---|--------------------------|
| AC1 | 长芒糯 Changmang Glutinous | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC2 | 香禾 Fragrant He | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC3 | 无名香 Wuming Fragrant | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC4 | 白香禾 WHite Fragrant He | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC5 | 黄鳝血 Huangshanxue | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC16 | 肇兴红芒白糯 Zhaixing Red-awn White Glutinous | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC27 | 榕禾 RongHe | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC28 | 六十天禾-1Liushitian He-1 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC29 | 六十天禾-2Liushitian He-2 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC30 | 六十天禾-3Liushitian He-3 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC31 | 黔禾 1 号 Qian He No.1 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC32 | 苟扬当 Gouyang Dang | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC33 | 苟苳当 Gouqin Dang | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC34 | 苟苳当 Gouqin Dang | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC35 | 红禾 Red He | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC46 | 便禾 BianHe | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC49 | 苟当 1 号 Gou Dang No.1 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC50 | 苟当 2 号 Gou Dang No.2 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC51 | 苟当 3 号 Gou Dang No.3 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC53 | 苟当 2 号-2Gou Dang No.2-2 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC54 | 13-028 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC55 | 13-179 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC56 | 13-186 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC57 | 13-010 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |

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|-------|----------------------------|-----------------------------|------------|----|
| AC58 | 13-124 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC59 | 12-169 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC60 | 13-173 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC63 | 13-178 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC69 | AC69 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC85 | AC85 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC86 | AC86 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC88 | AC88 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC89 | AC89 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC93 | AC93 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC99 | AC99 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC100 | AC100 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC101 | 半坡禾 BanpoHe | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC102 | 13019 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC104 | 13208 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC105 | 13026 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC107 | 13050 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC108 | 13051 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC113 | 13170 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC114 | 13171 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC116 | 13181 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC118 | 13085 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC119 | 13187 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC120 | 13188 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC121 | 13190 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC122 | 13205 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC123 | 从江香禾 Congjiang Fragrant He | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC124 | 加车禾 Jiache He | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC125 | 加车禾-3Jiache He-3 | 贵州香禾 Guizhou | 香 Fragrant | E7 |

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|-------|---|---|------------|---|
| | | fragrant He | | |
| AC128 | 黎平禾-2-Liping He-2-2 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC130 | 黎平禾-4-Liping He-4 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC131 | 黎平禾-5-Liping He-5 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| AC132 | 从江加榜平妹禾-2Congjiang Jiabang Pingmei He-2 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | 全长测序未发现突变位点 No mutation sites were detected in full-length sequencing |
| P5405 | 敦寨常规稻 Dunzhai Conventional Rice | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| P5406 | 加车香禾 Jiache Fragrant He | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| P5407 | 色界黑壳糯 Sejie Black Hull Glutinous | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| P5408 | 滚郎香禾-5Gunlang Fragrant He-5 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| P5409 | 谷撒红米 Gusa Red Rice | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| P5410 | 三团香禾 Santuan Fragrant He | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| P5411 | 扯禾糯 Che He Glutinous | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| P5412 | 黑糯 (-2) Black Glutinous (-2) | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| P5413 | 加榜香禾-2Jiabang Fragrant He -2 | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| P5414 | 顶洞大香禾 Dingdong Fragrant Large He | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| P5415 | 色界香糯 Sejie Black Glutinous | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| P5416 | 色界黑米 Sejie Black Rice | 贵州香禾 Guizhou fragrant He | 香 Fragrant | E7 |
| P122 | 红香米 Red Fragrant Rice | 贵州香稻育种材料 Guizhou fragrant rice breeding materials | 香 Fragrant | E7 |
| P301 | 大粒香 Dali Xiang | 贵州香稻育种材料 Guizhou fragrant rice breeding materials | 香 Fragrant | E7 |
| P5251 | R648-1 | 贵州香稻育种材料 Guizhou fragrant rice breeding materials | 香 Fragrant | E7 |
| P5252 | R648-2 | 贵州香稻育种材料 Guizhou fragrant rice breeding materials | 香 Fragrant | E7 |
| P5276 | R701-1 | 贵州香稻育种材料 Guizhou fragrant rice breeding materials | 香 Fragrant | 全长测序未发现突变位点 No mutation sites were detected in full-length sequencing |
| P5277 | R701-2 | 贵州香稻育种材料 Guizhou fragrant rice breeding materials | 香 Fragrant | 全长测序未发现突变位点 No mutation sites were detected in full-length |

| | | | | sequencing |
|-------|------------------------------|---|------------|--|
| P5307 | R712-1 | 贵州香稻育种材料 Guizhou fragrant rice breeding materials | 香 Fragrant | E7 |
| P5308 | R712-2 | 贵州香稻育种材料 Guizhou fragrant rice breeding materials | 香 Fragrant | E7 |
| P5346 | R755-1 | 贵州香稻育种材料 Guizhou fragrant rice breeding materials | 香 Fragrant | E7 |
| P5347 | R755-2 | 贵州香稻育种材料 Guizhou fragrant rice breeding materials | 香 Fragrant | E7 |
| P5387 | 凯香 1 号 Kai Xiang No.1 | 贵州香稻育种材料 Guizhou fragrant rice breeding materials | 香 Fragrant | E7 |
| P5388 | 筑香 19 Zhu Xiang 19 | 贵州香稻育种材料 Guizhou fragrant rice breeding materials | 香 Fragrant | E7 |
| P302 | 锡贡 6 号 Xigong No.6 | 贵州地方香稻 Guizhou local fragrant rice | 香 Fragrant | E7 |
| P5373 | 锡贡 12 号 Xigong No.12 | 贵州地方香稻 Guizhou local fragrant rice | 香 Fragrant | E7 |
| P5389 | 纳雍五里香-5Nayong Wulixiang-5 | 贵州地方香稻 Guizhou local fragrant rice | 香 Fragrant | E7 |
| P5397 | 大方五里香-2Dafang Wulixiang-2 | 贵州地方香稻 Guizhou local fragrant rice | 香 Fragrant | 全长测序未发现突 变位点 No mutation sites were detected in full-length sequencing |
| P5398 | 毕大香 6 号 Bida Xiang No.6 | 贵州地方香稻 Guizhou local fragrant rice | 香 Fragrant | E6 |
| P5399 | 纳雍五里香 Nayong Wulixiang | 贵州地方香稻 Guizhou local fragrant rice | 香 Fragrant | E7 |
| P5385 | 福香占 Fuxiangzhan | 福建 Fujian | 香 Fragrant | E7 |
| P5356 | 美香占 Meixiangzhan | 广东 Guangdong | 香 Fragrant | * |
| P5357 | 美香新占 Meixiangxinzhan | 广东 Guangdong | 香 Fragrant | E7 |
| P5362 | 美香占-2Meixiangzhan No.2 | 广东 Guangdong | 香 Fragrant | E7 |
| P5369 | 粤香占 Yuexiangzhan | 广东 Guangdong | 香 Fragrant | E7 |
| P5370 | 小粒香占 Xiaolixiangzhan | 广东 Guangdong | 香 Fragrant | E7 |
| P5374 | 象牙香珍 Ivory Fragrant Rice | 广东 Guangdong | 香 Fragrant | E7 |
| P5378 | 粤丰 BYuefeng B | 广东 Guangdong | 香 Fragrant | E7 |
| P5359 | 柳丰香占 Liufeng Xiangzhan | 广西 Guangxi | 香 Fragrant | E7 |
| P5358 | 早香 1 号 Zaoxiang No.1 | 广西 Guangxi | 香 Fragrant | E7 |
| P5360 | 玉香占 Yuxiangzhan | 广西 Guangxi | 香 Fragrant | E7 |
| P5361 | 八桂香 Bagui Fragrant | 广西 Guangxi | 香 Fragrant | E7 |
| P5363 | 田东香 Tiandong Fragrant | 广西 Guangxi | 香 Fragrant | E7 |
| P5364 | 桂香 2 号 Guixiang No.2 | 广西 Guangxi | 香 Fragrant | E7 |
| P5365 | 桂香 18Guixiang 18 | 广西 Guangxi | 香 Fragrant | E7 |
| P5366 | 新香占 3 号 Xinxiangzhan No.3 | 广西 Guangxi | 香 Fragrant | E7 |
| P5367 | 中广香 1 号 Zhongguangxiang No.1 | 广西 Guangxi | 香 Fragrant | E7 |
| P5368 | 桂香 99Guixiang 99 | 广西 Guangxi | 香 Fragrant | E7 |
| P5377 | 野香 BYexiang B | 广西 Guangxi | 香 Fragrant | E7 |
| P5393 | 苗香稻 2 号 Miaoxiang Rice No.2 | 黑龙江 Heilongjiang | 香 Fragrant | E7 |
| P5394 | 初香粳 1 号 ChuxiangjingNo.1 | 黑龙江 Heilongjiang | 香 Fragrant | * |
| P5371 | 玉针香 Yuzhenxiang | 湖南 Hunan | 香 Fragrant | E7 |
| P5386 | 韶香 100Shaoxiang 100 | 湖南 Hunan | 香 Fragrant | E7 |

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|-------|----------------------------------|-------------|------------|------------|
| P5390 | 南粳 5055Nanjing 5055 | 江苏 Jiangsu | 香 Fragrant | 非 E7non-E7 |
| P5391 | 南粳 46Nanjing46 | 江苏 Jiangsu | 香 Fragrant | 非 E7non-E7 |
| P5392 | 金香玉 1号 Jinxiangyu No.1 | 江苏 Jiangsu | 香 Fragrant | E7 |
| P5400 | 香粳 111Xiangjing 111 | 江苏 Jiangsu | 香 Fragrant | 非 E7non-E7 |
| P5404 | 特浓香 Tenongxiang | 江苏 Jiangsu | 香 Fragrant | * |
| P5403 | 沪香粳 268Huxiangjing 268 | 上海 Shanghai | 香 Fragrant | * |
| P5401 | 金农香粳 1267 Jinnong Xiangjing 1267 | 上海 Shanghai | 香 Fragrant | * |
| P5379 | 内香 3BNeixiang 3B | 四川 Sichuan | 香 Fragrant | E7 |
| P5380 | 内香 10BNeixiang 10B | 四川 Sichuan | 香 Fragrant | E7 |
| P5396 | 津原香 98Jinyuan Xiang 98 | 天津 Tianjin | 香 Fragrant | E7 |
| P5395 | 新疆香稻 Xinjiang Fragrant Rice | 新疆 Xinjiang | 香 Fragrant | E7 |
| P5355 | 云南软米 Yunnan Soft Rice | 云南 Yunnan | 香 Fragrant | E7 |
| P5381 | 滇屯 506 Diantun 506 | 云南 Yunnan | 香 Fragrant | E7 |
| P5382 | 滇屯 502 Diantun 502 | 云南 Yunnan | 香 Fragrant | E7 |
| P5383 | 滇禾 133Dianhe 133 | 云南 Yunnan | 香 Fragrant | E7 |
| P5384 | 滇瑞 408 | 云南 Yunnan | 香 Fragrant | E7 |
| P5402 | 镇雄香粳 Dianrui 408 | 云南 Yunnan | 香 Fragrant | 非 E7non-E7 |
| P5351 | KDML105-1 | 泰国 Thailand | 香 Fragrant | E7 |
| P5352 | KDML105-2 | 泰国 Thailand | 香 Fragrant | E7 |
| P5353 | KDML105-3 | 泰国 Thailand | 香 Fragrant | E7 |
| P5354 | Basmati370 | 印度 India | 香 Fragrant | E7 |

E7 为 *Badh2* 第七外显子 8 bp 缺失和 3 bpSNP, 非 E7 仅检测 *Badh2* 第七外显子突变情况, 且不属于 *Badh2* 第七外显子 8 bp 缺失和 3 bpSNP, *为未检测 *Badh2* 突变位点, E6 为第六外显子 39 bp 处单碱基 G 的插入

E7 refers to an 8 bp deletion and a 3 bp SNP in the seventh exon of the *Badh2* gene. Non-E7 indicates that only mutations in the seventh exon of *Badh2* were detected, excluding the aforementioned 8 bp deletion and 3 bp SNP. The asterisk (*) represents no mutation detected at the *Badh2* target loci. E6 denotes a single G nucleotide insertion at the 39 bp position of the sixth exon