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| **Table S1 Basic information and prediction of physicochemical properties of *JrMYB*s** | | | | | | | | |
| **Sequence ID** | **Number of Amino Acid** | **Molecular Weight** | **Theoretical pI** | **Instability Index** | **Aliphatic Index** | **Grand Average of Hydropathicity** | **subcellular localization** | **Type of MYB** |
| JrMYB001 | 105 | 11605.2 | 9.3 | 43.13 | 70.67 | -0.583 | mitochondrion | 1R-MYB |
| JrMYB002 | 294 | 32003.91 | 8.79 | 49.06 | 64.73 | -0.837 | nucleus | 1R-MYB |
| JrMYB003 | 1890 | 32003.91 | 6.07 | 49.37 | 73.78 | -0.504 | plasma membrane | R2R3-MYB |
| JrMYB004 | 376 | 42445 | 7.18 | 59.48 | 63.54 | -0.88 | nucleus | 1R-MYB |
| JrMYB005 | 671 | 74519.97 | 7.18 | 62.69 | 63.49 | -1.112 | nucleus | 1R-MYB |
| JrMYB006 | 291 | 74519.97 | 6.48 | 66.03 | 75.77 | -0.613 | nucleus | 1R-MYB |
| JrMYB007 | 362 | 40347.82 | 8.55 | 57.13 | 64.94 | -0.729 | nucleus | 1R-MYB |
| JrMYB008 | 90 | 10280.34 | 6.28 | 82.76 | 44.44 | -1.203 | nucleus | 1R-MYB |
| JrMYB009 | 364 | 40908.82 | 9.2 | 58.1 | 68.82 | -0.778 | nucleus | 1R-MYB |
| JrMYB010 | 376 | 42482.7 | 6.36 | 64.61 | 67.18 | -0.686 | nucleus | 1R-MYB |
| JrMYB011 | 354 | 40093.87 | 8.25 | 59.78 | 60.03 | -0.686 | nucleus | 1R-MYB |
| JrMYB012 | 257 | 27611.87 | 7.07 | 54.47 | 66.42 | -0.756 | nucleus | 1R-MYB |
| JrMYB013 | 1160 | 128777.01 | 8.98 | 51.9 | 69.86 | -0.686 | chloroplast | 1R-MYB |
| **Table S1 Basic information and prediction of physicochemical properties of *JrMYB*s** | | | | | | | | |
| **Sequence ID** | **Number of Amino Acid** | **Molecular Weight** | **Theoretical pI** | **Instability Index** | **Aliphatic Index** | **Grand Average of Hydropathicity** | **subcellular localization** | **Type of MYB** |
| JrMYB014 | 326 | 36471.65 | 5.72 | 55.66 | 67.61 | -0.863 | nucleus | 1R-MYB |
| JrMYB015 | 78 | 8936 | 8.86 | 79.35 | 51.28 | -1.059 | cytoplasm | 1R-MYB |
| JrMYB016 | 271 | 30846.68 | 6.1 | 50.75 | 71.66 | -0.693 | nucleus | 1R-MYB |
| JrMYB017 | 645 | 68536.94 | 6.1 | 45.79 | 78.84 | -0.693 | nucleus | 1R-MYB |
| JrMYB018 | 378 | 42368.65 | 8.15 | 49.09 | 56.22 | -0.932 | nucleus | 1R-MYB |
| JrMYB019 | 94 | 10675.84 | 7.88 | 76.4 | 43.62 | -1.146 | nucleus | 1R-MYB |
| JrMYB020 | 683 | 75458.06 | 6.45 | 38.66 | 77.31 | -0.529 | nucleus | 1R-MYB |
| JrMYB021 | 745 | 81084.76 | 6.05 | 48.15 | 86.08 | -0.249 | chloroplast | 1R-MYB |
| JrMYB022 | 391 | 43673.95 | 6.44 | 57.4 | 61.56 | -0.838 | nucleus | 1R-MYB |
| JrMYB023 | 387 | 44027.71 | 7.03 | 68.84 | 60.21 | -0.933 | nucleus | 1R-MYB |
| JrMYB024 | 395 | 43888.78 | 6 | 61.87 | 60.25 | -0.892 | nucleus | 1R-MYB |
| JrMYB025 | 580 | 65987.05 | 5.01 | 50.38 | 75.91 | -0.591 | nucleus | 1R-MYB |
| JrMYB026 | 564 | 63683.94 | 5.56 | 39.13 | 76.72 | -0.487 | nucleus | 1R-MYB |

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| **Table S1 Basic information and prediction of physicochemical properties of *JrMYB*s** | | | | | | | | |
| **Sequence ID** | **Number of Amino Acid** | **Molecular Weight** | **Theoretical pI** | **Instability Index** | **Aliphatic Index** | **Grand Average of Hydropathicity** | **subcellular localization** | **Type of MYB** |
| JrMYB027 | 1012 | 112979.69 | 5.48 | 57.11 | 75.57 | -0.638 | nucleus | 1R-MYB |
| JrMYB028 | 1726 | 188620.79 | 5.85 | 50.29 | 68.39 | -0.589 | nucleus | R2R3-MYB |
| JrMYB029 | 633 | 68831.59 | 5.81 | 49.57 | 81.9 | -0.362 | nucleus | 1R-MYB |
| JrMYB030 | 521 | 55279.31 | 8.07 | 49.14 | 80.04 | -0.325 | nucleus | 1R-MYB |
| JrMYB031 | 714 | 78104.48 | 5.22 | 36.21 | 82.58 | -0.398 | nucleus | 1R-MYB |
| JrMYB032 | 708 | 77483.27 | 5.35 | 42.93 | 77.94 | -0.503 | nucleus | 1R-MYB |
| JrMYB033 | 702 | 77400.03 | 6.8 | 39.88 | 76.48 | -0.545 | nucleus | 1R-MYB |
| JrMYB034 | 1141 | 128405.34 | 9.07 | 51.08 | 75.64 | -0.624 | nucleus | 1R-MYB |
| JrMYB035 | 255 | 29097.18 | 9.04 | 52.64 | 68.12 | -0.689 | nucleus | 1R-MYB |
| JrMYB036 | 129 | 14563.56 | 4.34 | 56.42 | 93.64 | -0.052 | chloroplast | 1R-MYB |
| JrMYB036 | 611 | 66950.96 | 6.4 | 54.88 | 66.17 | -0.753 | nucleus | 1R-MYB |
| JrMYB038 | 100 | 10891.97 | 7.84 | 65.87 | 59.5 | -0.873 | nucleus | 1R-MYB |
| JrMYB039 | 439 | 49589.89 | 8.31 | 49.42 | 78.41 | -0.647 | nucleus | 1R-MYB |

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| **Table S1 Basic information and prediction of physicochemical properties of *JrMYB*s** | | | | | | | | |
| **Sequence ID** | **Number of Amino Acid** | **Molecular Weight** | **Theoretical pI** | **Instability Index** | **Aliphatic Index** | **Grand Average of Hydropathicity** | **subcellular localization** | **Type of MYB** |
| JrMYB040 | 767 | 85529.2 | 6.24 | 51.2 | 76.06 | -0.565 | cytoplasm | 1R-MYB |
| JrMYB041 | 564 | 62378.19 | 6.33 | 47.32 | 70.64 | -0.652 | nucleus | 1R-MYB |
| JrMYB042 | 423 | 47218.39 | 6.56 | 62.78 | 61.32 | -0.789 | nucleus | 1R-MYB |
| JrMYB043 | 274 | 30553.18 | 8.81 | 35.98 | 66.97 | -0.853 | nucleus | 1R-MYB |
| JrMYB044 | 686 | 75751.18 | 5.4 | 42.1 | 81.15 | -0.59 | nucleus | 1R-MYB |
| JrMYB045 | 330 | 35980.18 | 5.36 | 47.2 | 63.82 | -0.591 | nucleus | 1R-MYB |
| JrMYB046 | 392 | 42729.1 | 9.14 | 73.86 | 55.03 | -0.937 | nucleus | 1R-MYB |
| JrMYB047 | 342 | 38111.92 | 8.42 | 46.24 | 77.57 | -0.767 | nucleus | 1R-MYB |
| JrMYB048 | 100 | 11068.15 | 6.72 | 60.33 | 58.5 | -0.808 | nucleus | 1R-MYB |
| JrMYB049 | 278 | 30756.63 | 8.89 | 55.9 | 66.69 | -0.419 | nucleus | R2R3-MYB |
| JrMYB050 | 484 | 53286.3 | 5.86 | 70.78 | 66.74 | -0.728 | nucleus | 1R-MYB |
| JrMYB051 | 458 | 50958.55 | 5.17 | 55.6 | 65.2 | -0.693 | nucleus | 1R-MYB |
| JrMYB052 | 79 | 9131.12 | 5.46 | 68.39 | 67.85 | -0.952 | cytoplasm | 1R-MYB |

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| **Table S1 Basic information and prediction of physicochemical properties of *JrMYB*s** | | | | | | | | |
| **Sequence ID** | **Number of Amino Acid** | **Molecular Weight** | **Theoretical pI** | **Instability Index** | **Aliphatic Index** | **Grand Average of Hydropathicity** | **subcellular localization** | **Type of MYB** |
| JrMYB053 | 681 | 73985.02 | 5.86 | 43.38 | 83.3 | -0.425 | nucleus | 1R-MYB |
| JrMYB054 | 344 | 37223.21 | 5.42 | 49.09 | 86.83 | -0.264 | nucleus | 1R-MYB |
| JrMYB055 | 680 | 74230.22 | 5.72 | 45.99 | 77.12 | -0.474 | nucleus | 1R-MYB |
| JrMYB056 | 268 | 30114.2 | 7.8 | 42.09 | 72.8 | -0.632 | cytoplasm | 1R-MYB |
| JrMYB057 | 856 | 95697.84 | 4.99 | 51 | 75.48 | -0.638 | nucleus | 1R-MYB |
| JrMYB058 | 294 | 32383.32 | 9.42 | 36.14 | 89.9 | -0.445 | nucleus | 1R-MYB |
| JrMYB059 | 84 | 9552.68 | 9.17 | 93.97 | 66.31 | -0.96 | nucleus | 1R-MYB |
| JrMYB060 | 314 | 33992.98 | 6.37 | 70.02 | 66.88 | -0.597 | nucleus | 1R-MYB |
| JrMYB061 | 315 | 34085.04 | 6.43 | 63.59 | 67.56 | -0.589 | nucleus | 1R-MYB |
| JrMYB062 | 329 | 35709.84 | 5.85 | 41.03 | 64.01 | -0.591 | nucleus | 1R-MYB |
| JrMYB063 | 333 | 36748.15 | 5.74 | 63.86 | 72.07 | -0.693 | nucleus | 1R-MYB |
| JrMYB064 | 674 | 75960.78 | 9.54 | 62.24 | 60.79 | -1.115 | nucleus | 1R-MYB |
| JrMYB065 | 646 | 71929.95 | 6.45 | 40.11 | 78.08 | -0.672 | nucleus | 1R-MYB |

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| **Table S1 Basic information and prediction of physicochemical properties of *JrMYB*s** | | | | | | | | |
| **Sequence ID** | **Number of Amino Acid** | **Molecular Weight** | **Theoretical pI** | **Instability Index** | **Aliphatic Index** | **Grand Average of Hydropathicity** | **subcellular localization** | **Type of MYB** |
| JrMYB066 | 298 | 32712.69 | 5.96 | 52.38 | 73.66 | -0.681 | nucleus | 1R-MYB |
| JrMYB067 | 298 | 32471.43 | 6.64 | 52.97 | 73.99 | -0.732 | nucleus | 1R-MYB |
| JrMYB068 | 553 | 61212.59 | 8.44 | 53.55 | 78.81 | -0.587 | nucleus | 1R-MYB |
| JrMYB069 | 373 | 41533.72 | 9.16 | 35.12 | 85.12 | -0.467 | nucleus | 1R-MYB |
| JrMYB070 | 564 | 62279.72 | 5.84 | 62.4 | 68.49 | -0.601 | chloroplast | 1R-MYB |
| JrMYB071 | 318 | 35629.99 | 9.48 | 39.09 | 82.36 | -0.437 | nucleus | 1R-MYB |
| JrMYB072 | 599 | 67244 | 7.24 | 53.7 | 73.24 | -0.524 | chloroplast | 1R-MYB |
| JrMYB073 | 557 | 62042.78 | 5.21 | 35.01 | 81.96 | -0.47 | nucleus | 1R-MYB |
| JrMYB074 | 420 | 46581.41 | 8.05 | 45.08 | 70.64 | -0.73 | nucleus | 1R-MYB |
| JrMYB075 | 424 | 47292.2 | 8.32 | 46.93 | 68.11 | -0.741 | nucleus | 1R-MYB |
| JrMYB076 | 863 | 95972.55 | 4.74 | 52.55 | 62.18 | -0.833 | nucleus | 1R-MYB |
| JrMYB077 | 559 | 61091.43 | 5.88 | 64.45 | 72.08 | -0.531 | nucleus | 1R-MYB |
| JrMYB078 | 855 | 94927.18 | 4.8 | 50.99 | 59.33 | -0.9 | nucleus | 1R-MYB |

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| **Table S1 Basic information and prediction of physicochemical properties of *JrMYB*s** | | | | | | | | |
| **Sequence ID** | **Number of Amino Acid** | **Molecular Weight** | **Theoretical pI** | **Instability Index** | **Aliphatic Index** | **Grand Average of Hydropathicity** | **subcellular localization** | **Type of MYB** |
| JrMYB079 | 203 | 22839.84 | 10.06 | 46.24 | 63.35 | -0.554 | nucleus | 1R-MYB |
| JrMYB080 | 334 | 36352.17 | 7.2 | 55.99 | 56.92 | -0.686 | nucleus | 1R-MYB |
| JrMYB081 | 811 | 91002.64 | 9.06 | 37.73 | 79.93 | -0.33 | vacuole | R2R3-MYB |
| JrMYB082 | 234 | 26138.19 | 9.56 | 46.79 | 87.09 | -0.355 | nucleus | 1R-MYB |
| JrMYB083 | 276 | 30866.02 | 6.78 | 45.63 | 71.52 | -0.705 | nucleus | 1R-MYB |
| JrMYB084 | 335 | 36187.09 | 6.67 | 54.42 | 59.67 | -0.611 | nucleus | 1R-MYB |
| JrMYB085 | 313 | 34309.65 | 9.79 | 56.15 | 67 | -0.575 | nucleus | 1R-MYB |
| JrMYB086 | 292 | 32038.93 | 9.57 | 53.72 | 69.14 | -0.709 | nucleus | 1R-MYB |
| JrMYB087 | 342 | 37778.71 | 9.38 | 48.13 | 66.75 | -0.561 | nucleus | 1R-MYB |
| JrMYB088 | 285 | 30967.63 | 9.17 | 56.07 | 67.37 | -0.566 | nucleus | 1R-MYB |
| JrMYB089 | 278 | 30766.89 | 9.36 | 46.49 | 76.58 | -0.656 | nucleus | 1R-MYB |
| JrMYB090 | 288 | 33357.26 | 7.91 | 51.13 | 57.92 | -0.877 | nucleus | R2R3-MYB |
| JrMYB091 | 296 | 32516.45 | 7.99 | 55.85 | 61.62 | -0.687 | nucleus | R2R3-MYB |

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| **Table S1 Basic information and prediction of physicochemical properties of *JrMYB*s** | | | | | | | | |
| **Sequence ID** | **Number of Amino Acid** | **Molecular Weight** | **Theoretical pI** | **Instability Index** | **Aliphatic Index** | **Grand Average of Hydropathicity** | **subcellular localization** | **Type of MYB** |
| JrMYB092 | 345 | 37598.12 | 6.57 | 59.9 | 68.14 | -0.602 | nucleus | 1R-MYB |
| JrMYB093 | 289 | 31304.03 | 9.05 | 60.02 | 68.17 | -0.553 | chloroplast | 1R-MYB |
| JrMYB094 | 294 | 31111.52 | 7.23 | 41.77 | 62.38 | -0.624 | nucleus | R2R3-MYB |
| JrMYB095 | 1009 | 112914.15 | 5.35 | 49.1 | 72.32 | -0.841 | nucleus | R2R3-MYB |
| JrMYB096 | 336 | 36982.55 | 8.46 | 45.68 | 65 | -0.555 | nucleus | 1R-MYB |
| JrMYB097 | 306 | 33491.56 | 9.51 | 54.08 | 65.65 | -0.569 | nucleus | 1R-MYB |
| JrMYB098 | 297 | 31728.43 | 7.27 | 46.04 | 67 | -0.595 | nucleus | R2R3-MYB |
| JrMYB099 | 793 | 87179.84 | 5.78 | 51.99 | 67.53 | -0.66 | chloroplast | 1R-MYB |
| JrMYB100 | 347 | 37621.05 | 6.32 | 53.74 | 70.58 | -0.547 | nucleus | 1R-MYB |
| JrMYB101 | 235 | 26511.65 | 6.45 | 46.5 | 67.57 | -0.724 | cytoplasm | R2R3-MYB |
| JrMYB102 | 560 | 62966.83 | 6.09 | 53.95 | 67.45 | -0.758 | nucleus | 1R-MYB |
| JrMYB103 | 792 | 86635.71 | 6.64 | 44.48 | 68.28 | -0.673 | cytoplasm | 1R-MYB |
| JrMYB104 | 263 | 29144 | 8.96 | 28.58 | 69.32 | -0.529 | nucleus | 1R-MYB |

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| **Table S1 Basic information and prediction of physicochemical properties of *JrMYB*s** | | | | | | | | |
| **Sequence ID** | **Number of Amino Acid** | **Molecular Weight** | **Theoretical pI** | **Instability Index** | **Aliphatic Index** | **Grand Average of Hydropathicity** | **subcellular localization** | **Type of MYB** |
| JrMYB105 | 313 | 35726.38 | 9.16 | 54.79 | 61.05 | -0.816 | nucleus | R2R3-MYB |
| JrMYB106 | 313 | 35712.35 | 9.16 | 54.79 | 60.73 | -0.817 | nucleus | R2R3-MYB |
| JrMYB107 | 1052 | 114268.78 | 4.81 | 52.72 | 71.44 | -0.607 | nucleus | 1R-MYB |
| JrMYB108 | 561 | 62617.33 | 6.63 | 51.74 | 71.14 | -0.742 | nucleus | 1R-MYB |
| JrMYB109 | 541 | 60380.27 | 6.07 | 57.53 | 72.68 | -0.537 | endoplasmic reticulum | 1R-MYB |
| JrMYB110 | 569 | 63985.36 | 5.93 | 48.32 | 72.64 | -0.64 | nucleus | 1R-MYB |
| JrMYB111 | 312 | 34901.22 | 9.46 | 65.3 | 59.42 | -0.709 | nucleus | R2R3-MYB |
| JrMYB112 | 462 | 51033.56 | 5.51 | 48.88 | 58.2 | -0.782 | nucleus | 1R-MYB |
| JrMYB113 | 314 | 35450.8 | 9.5 | 58.54 | 53.76 | -0.847 | nucleus | R2R3-MYB |
| JrMYB114 | 846 | 92251.67 | 7.02 | 52.01 | 64.09 | -0.684 | nucleus | 1R-MYB |
| JrMYB115 | 492 | 53763.48 | 8.93 | 61.87 | 64.19 | -0.66 | nucleus | 1R-MYB |
| JrMYB116 | 370 | 42037.91 | 5.57 | 52.83 | 66.46 | -0.62 | nucleus | R2R3-MYB |
| JrMYB117 | 564 | 62572.4 | 8.1 | 66.5 | 65.99 | -0.648 | nucleus | 1R-MYB |

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| **Table S1 Basic information and prediction of physicochemical properties of *JrMYB*s** | | | | | | | | |
| **Sequence ID** | **Number of Amino Acid** | **Molecular Weight** | **Theoretical pI** | **Instability Index** | **Aliphatic Index** | **Grand Average of Hydropathicity** | **subcellular localization** | **Type of MYB** |
| JrMYB118 | 449 | 50097.7 | 7.52 | 54.35 | 61.71 | -0.714 | nucleus | R2R3-MYB |
| JrMYB119 | 1268 | 141297.84 | 8.08 | 54.52 | 71.08 | -0.728 | nucleus | 4R-MYB |
| JrMYB120 | 325 | 35453.3 | 8.22 | 47.26 | 68.46 | -0.725 | nucleus | R2R3-MYB |
| JrMYB121 | 457 | 50944.76 | 7.56 | 58.4 | 64.92 | -0.698 | nucleus | R2R3-MYB |
| JrMYB122 | 968 | 109282.96 | 9.37 | 50.62 | 75.15 | -0.487 | nucleus | R2R3-MYB |
| JrMYB123 | 587 | 65060.19 | 7.78 | 47.34 | 64.92 | -0.566 | nucleus | 3R-MYB |
| JrMYB124 | 601 | 67143.46 | 8.66 | 52.79 | 68.65 | -0.74 | nucleus | 3R-MYB |
| JrMYB125 | 1004 | 110821.13 | 4.91 | 48.95 | 68 | -0.595 | nucleus | 3R-MYB |
| JrMYB126 | 1063 | 110821.13 | 5.72 | 48.95 | 66.73 | -0.59 | nucleus | 3R-MYB |