

Table 1 The related indicators of pepper germplasm resource's genetic diversity

| Primer ID | Number of alleles (Na) | Effective number of alleles (Ne) | Observed heterozygosity (Ho) | Expected heterozygosity (He) | Shannon-Weaver index (I) | Polymorphism information content (PIC) |
|-----------------|------------------------|----------------------------------|------------------------------|------------------------------|--------------------------|--|
| CA01g09510 | 4 | 3.525 | 0.4375 | 0.7277 | 1.3248 | 0.616496326 |
| CA01g19200 | 4 | 3.838 | 0.8 | 0.752 | 1.3652 | 0.577365424 |
| CA01g24960 | 3 | 2.9811 | 0.6875 | 0.6751 | 1.0954 | 0.667950668 |
| CA01g26220 | 3 | 2.6177 | 0.75 | 0.6292 | 1.0178 | 0.36018528 |
| CA02g00330 | 2 | 1.9672 | 0.0323 | 0.4997 | 0.6848 | 0.69125322 |
| CA02g13320 | 4 | 3.53 | 0.6538 | 0.7308 | 1.314 | 0.59043665 |
| CA02g16050 | 4 | 3.255 | 0.6333 | 0.7045 | 0.6848 | 0.633731702 |
| CA02g19580 | 4 | 2.0998 | 0.3182 | 0.5359 | 1.0032 | 0.538948354 |
| CA02g20830 | 3 | 2.8169 | 0.7 | 0.6559 | 1.064 | 0.19946891 |
| CA02g21680 | 4 | 3.1654 | 0.8438 | 0.6949 | 1.2543 | 0.347841701 |
| CA02g22780 | 3 | 2.0259 | 0.04 | 0.5167 | 0.8761 | 0.370805135 |
| CA04g23600 | 3 | 1.6139 | 0.0312 | 0.3864 | 0.6804 | 0.37137408 |
| CA05g00090 | 4 | 3.7996 | 0.9062 | 0.7485 | 1.3577 | 0.687189856 |
| CA05g01070 | 4 | 2.6221 | 0.5161 | 0.6288 | 1.1451 | 0.45155328 |
| CA05g05920 | 4 | 3.0947 | 0.7143 | 0.6934 | 1.2361 | 0.356599643 |
| CA05g20280 | 4 | 3.9454 | 1 | 0.7667 | 1.3793 | 0.664250247 |
| CA06g27450 | 4 | 3.0658 | 0.6538 | 0.687 | 1.2263 | 0.643646682 |
| CA07g12780 | 2 | 1.9059 | 0.1111 | 0.4843 | 0.6682 | 0.3318 |
| CA07g21030 | 4 | 3.2736 | 0.7308 | 0.7081 | 1.2753 | 0.486425292 |
| CA08g16130 | 4 | 3.6725 | 0.6897 | 0.7405 | 1.3387 | 0.56941204 |
| CA08g18080 | 3 | 2.8169 | 0.1 | 0.6559 | 1.0671 | 0.629415445 |
| CA08g19480 | 3 | 2.5562 | 0.1379 | 0.6195 | 0.998 | 0.45421152 |
| CA09g08890 | 3 | 2.935 | 0 | 0.6771 | 1.0871 | 0.340950063 |
| CA10g16200 | 2 | 1.9814 | 0.0645 | 0.5034 | 0.6885 | 0.687571573 |
| CA10g22330 | 2 | 1.9788 | 0 | 0.5033 | 0.6878 | 0.567298863 |
| CA11g04420 | 4 | 3.0866 | 0.7857 | 0.6883 | 1.2241 | 0.61888363 |
| CA11g13720 | 3 | 2.8765 | 0.4737 | 0.67 | 1.0759 | 0.699215293 |
| CA11g16460 | 2 | 1.8911 | 0.2 | 0.4808 | 0.6641 | 0.614184298 |
| CA12g00110 | 4 | 3.2284 | 0.8276 | 0.7024 | 1.2624 | 0.36235208 |
| Capana01g000068 | 2 | 1.2899 | 0 | 0.2285 | 0.3845 | 0.641281512 |
| Capana01g002226 | 2 | 1.8127 | 0.6786 | 0.4565 | 0.6406 | 0.677241444 |
| Capana02g001111 | 2 | 1.9716 | 0 | 0.5029 | 0.6859 | 0.5719875 |
| Capana02g002967 | 4 | 3.7798 | 0.8966 | 0.7483 | 1.3582 | 0.525798965 |
| Capana03g000268 | 3 | 2.1331 | 0.32 | 0.542 | 0.8732 | 0.584842385 |
| Capana03g000623 | 2 | 1.8672 | 0.8966 | 0.7483 | 0.6572 | 0.372646465 |
| Capana03g000849 | 2 | 1.7241 | 0 | 0.4271 | 0.6109 | 0.28430688 |
| Capana05g002528 | 2 | 1.5225 | 0.2 | 0.3502 | 0.5269 | 0.32901055 |
| Capana06g000631 | 2 | 1.7101 | 0 | 0.4278 | 0.6058 | 0.373806917 |
| Capana07g000185 | 2 | 1.9905 | 0.5862 | 0.5064 | 0.6908 | 0.372312821 |
| Capana07g002068 | 2 | 1.9501 | 0.04 | 0.4971 | 0.6803 | 0.36851808 |