**Table S1:** Proximate Composition of *Vigna reticulata* accessions (g/100g)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Accessions | Lipid  |  Ash |  Moisture  |  Protein  | Fiber  | Carbohydrates  |
| Check 1 | 1.127 ±0.128abcd | 3.729 ±0.126abcde | 11.052 ±0.281bcde | 27.313 ±0.597b | 3.654 ±0.832j | 53.125 ±1.323 klmn |
| Check 2 | 1.215 ±0.150abcd | 3.716 ±0.229abcde | 12.663 ±0.665a | 25.935 ±0.938bc | 3.641±0.678 j | 52.829 ±1.023lmn |
| Check 3 | 0.636 ±0.015f | 3.833 ±0.167abc | 11.706 ±0.615 ab | 22.800 ±1.046fghijk | 4.637 ±0.589ghij | 56.388 ±1.234efghijk |
| TVNu350\_VRe | 1.132 ±0.212abcd | 4.130 ±0.313a | 10.610 ±0.600bcdefg | 24.910 ±0.800cde | 7.433 ±0.760a | 51.785 ±1.005no |
| TVNu56\_VRe | 1.419 ±0.223a | 3.509 ±0.313abcdef | 10.175 ±0.602cdefghijk | 23.182 ±0.800fghi | 6.317 ±0.505abcdefg | 55.397 ±1.034ghijklm |
| TVNu1522\_VRe | 1.108 ±0.215abcd | 3.749 ±0.310abcde | 11.585 ±0.623abc | 23.115 ±0.802fghij | 6.749 ±0.525abcd | 53.694 ±1.006jklmn |
| TVNu1698\_VRe | 1.391 ±0.210ab | 3.513 ±0.311abcdef | 10.060± 0.600defghijkl | 22.405 ±0.800ghijkl | 6.324 ±0.500abcdefg | 56.307 ±1.055fghijkl |
| TVNu1808\_VRe | 1.015±0.200 cde | 3.935 ±0.310ab | 9.910 ±0.600defghijklm | 23.823 ±0.801efg | 7.083 ±0.515ab | 54.234 ±1.321ijklmn |
| TVNu607\_VRe | 1.374 ±0.214ab | 3.562 ±0.300abcdef | 9.008 ±0.600jklmn | 23.525 ±0.802efgh | 6.411 ±0.508abcdefg | 56.119 ±1.520fghijkl |
| TVNu379\_VRe | 1.123 ±0.200 abcd | 3.513 ±0.315abcdef | 10.263 ±0.643cdefghij | 23.632 ±0.800efgh | 6.324 ±0.507abcdefg | 55.145 ±1.045ghijklmn |
| TVNu1852\_VRe | 1.170 ±0.223abcd | 3.375±0.313 abcdefg | 10.927 ±0.614bcdef | 26.597 ±0.868b | 6.076 ±0.500abcdefgh | 51.856 ±1.000mno |
| TVNu739\_VRe | 1.341 ±0.200 abc | 3.782 ±0.310abc | 9.312 ±0.601ghijklmn | 22.126 ±0.800hijklm | 6.808 ±0.503abc | 56.630 ±1.068cdefghijk |
| TVNu138\_VRe | 1.369 ±0.200 ab | 3.275±0.312 abcdefg | 10.507±0.615 bcdefghi | 22.833 ±0.800fghijk | 5.895 ±0.500abcdefgh | 56.121 ±1.098fghijkl |
| TVNu1405\_VRe | 1.380±0.200 ab | 2.939 ±0.300bcdefgh | 10.221± 0.615cdefghij | 24.238 ±0.812def | 5.290 ±0.500bcdefghij | 55.931 ±1.075fghijkl |
| TVNu349\_VRe | 1.154 ±0.200 abcd | 3.762 ±0.302abcd | 8.053 ±0.600n | 22.748 ±0.800fghijk | 6.771 ±0.500abcd | 57.512 ±1.645bcdefghi |
| TVNu325\_VRe | 1.425 ±0.200 a | 3.217 ±0.301abcdefg | 9.576 ±0.600fghijklm | 22.113 ±0.805hijklm | 5.791 ±0.489abcdefgh | 57.878 ±1.067bcdefgh |
| TVNu758\_VRe | 1.195 ±0.221abcd | 3.491 ±0.304abcdef | 10.147 ±0.630cdefghijkl | 20.231 ±0.700n | 6.285 ±0.500abcdefg | 58.651 ±1.740bcdefg |
| Unknown \_Vigna reticulata | 1.335±0.210 abc | 3.496 ±0.303abcdef | 9.660 ±0.600efghijklm | 21.476 ±0.800klmn | 6.293 ±0.500abcdefg | 57.739 ±1.054bcdefghi |
| TVNu1394\_VRe | 0.755 ±0.200 ef | 3.657 ±0.300abcdef | 9.334 ±0.600ghijklmn | 22.756 ±0.807fghijk | 6.583 ±0.505abcdef | 56.916 ±1.061cdefghij |
| TVNu1825\_VRe | 1.414 ±0.200 a | 2.924 ±0.300bcdefgh | 8.596 ±0.600mn | 23.229 ±0.820fghi | 5.262 ±0.500bcdefghij | 58.576 ±1.008bcdefg |
| TVNu- 224\_VRe | 1.146 ±0.200 abcd | 3.476 ±0.300abcdef | 8.556 ±0.600mn | 23.444 ±0.808efgh | 6.256 ±0.516abcdefg | 57.121 ±1.056cdefghij |
| TVNu1191\_VRe | 1.330 ±0.200 abc | 3.210 ±0.300abcdefg | 11.267 ±0.643abcd | 20.844 ±0.800lmn | 5.777 ±0.500abcdefgh | 57.572 ±1.075bcdefghi |
| TVNu1112\_VRe | 1.066 ±0.200 bcde | 3.686 ±0.300abcdef | 8.547 ±0.600mn | 31.074 ±0.867a | 6.634 ±0.505abcde | 48.994 ±1.005o |
| TVNu1779\_VRe | 1.436 ±0.205a | 2.796 ±0.300cdefgh | 8.483 ±0.601mn | 23.014 ±0.807fghijk | 5.032 ±0.500cdefghij | 59.239 ±1.569abcdef |
| TVNu491\_VRe | 1.386 ±0.200 ab | 3.227 ±0.305abcdefg | 8.764 ±0.600klmn | 21.746 ±0.800ijklmn | 5.808 ±0.500abcdefgh | 59.070 ±1.056abcdef |
| TVNu524\_VRe | 1.115 ±0.200 abcd | 3.227±0.301 abcdefg | 10.904 ±0.604bcdef | 22.428 ±0.802ghijkl | 5.808 ±0.502abcdefgh | 56.518 ±1.055defghijk |
| TVNu1520\_VRe | 1.430 ±0.200 a | 2.840 ±0.300cdefgh | 9.013±0.612 jklmn | 22.631 ±0.805fghijk | 5.112 ±0.500cdefghij | 58.973 ±1.016bcdef |
| AGG17856WVIG\_1\_VRe | 1.397 ±0.200 ab | 2.719 ±0.300defgh | 10.193 ±0.621cdefghijk | 20.679 ±0.800mn | 4.894 ±0.500defghij | 60.119 ±1.850abc |
| TVNu324\_VRe | 0.747 ±0.280 ef | 3.371 ±0.300abcdefg | 9.917 ±0.600defghijklm | 24.933 ±0.804cde | 6.068 ±0.500abcdefgh | 54.964 ±1.000hijklmn |
| TVNu343\_VRe | 1.363 ±0.214 ab | 2.988 ±0.267bcdefgh | 8.715 ±0.600lmn | 22.162 ±0.800hijklm | 5.378 ±0.500bcdefghij | 59.395 ±1.075abcdef |
| TVNu57\_VRe | 0.739 ±0.100 ef | 3.084±0.301 abcdefgh | 10.536 ±0.605bcdefgh | 25.845 ±0.832bcd | 5.551±0.500 abcdefghi | 54.246 ±1.045ijklmn |
| TVNu1388\_VRe | 1.358 ±0.240 abc | 2.699 ±0.300efgh | 10.164 ±0.615cdefghijk | 21.510 ±0.800jklmn | 4.859 ±0.500efghij | 59.410 ±1.087abcdef |
| TVNu767\_VRe | 1.408 ±0.200 ab | 2.632 ±0.267fgh | 9.133 ±0.600hijklmn | 22.146 ±0.800hijklm | 4.738 ±0.500fghij | 59.944 ±1.060abcde |
| TVNu161\_VRe | 1.402 ±0.210 ab | 2.340 ±0.285gh | 9.703 ±0.600efghijklm | 21.494 ±0.800klmn | 4.211±0.500 hij | 60.849 ±1.095ab |
| TVNu738\_VRe | 1.346 ±0.220 abc | 2.120 ±0.241h | 9.891 ±0.600defghijklm | 22.797 ±0.802fghijk | 3.816 ±0.500ij | 60.030 ±1.068abcd |
| TVNu1790\_VRe | 1.131 ±0.200 abcd | 2.901 ±0.300bcdefgh | 9.659 ±0.600efghijklm | 22.930 ±0.821fghijk | 5.222 ±0.500bcdefghij | 58.157 ±1.055bcdefgh |
| TVNu916\_VRe | 1.138 ±0.230 abcd | 3.189 ±0.300abcdefg | 9.091 ±0.600ijklmn | 22.249 ±0.800ghijklm | 5.740 ±0.502abcdefgh | 58.593 ±1.078bcdefg |
| TVNu141\_VRe | 0.948 ±0.200 def | 2.723 ±0.298defgh | 9.649 ±0.600efghijklm | 27.025 ±0.845b | 4.902 ±0.500defghij | 54.753 ±1.324hijklmn |
| TVNu605 \_VRe | 1.352 ±0.200 abc | 2.410 ±0.254gh | 8.480 ±0.600mn | 20.877 ±0.800lmn | 4.338 ±0.500hij | 62.542 ±1.058a |
|  |  |  |  |  |  |  |
| F  | 12.978 | 6.535 | 16.452 | 56.192 | 8.277 | 20.420 |
| Pr > F(Model) | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| Pr > F(*V. reticulate* Accessions) | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| Significant | Yes | Yes | Yes | Yes | Yes | Yes |

**Table S2:** Proximate Composition of *Vigna vexillata* accessions (g/100g)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Accessions | Lipid  |  Ash  |  Moisture  |  Protein  | Fiber  | Carbohydrates |
| TVNu1701 | 0.851 ±0.153cdefg | 4.846 ±0.300a | 10.153 ±0.650bcdefghi | 30.287 ±0.850b | 5.864 ±0.500a | 47.999 ±1.003lm |
| TVNu333 | 0.916 ±0.155bcd | 4.106 ±0.315abcde | 11.070 ±0.685abcde | 24.915 ±0.803efghijk | 4.968 ±0.503abcde | 54.024 ±1.001hijk |
| TVNu293 | 0.961 ±0.151bc | 4.180 ±0.307abcd | 9.618 ±0.606defghij | 25.341 ±0.825efghij | 5.058 ±0.506abcd | 54.843 ±1.005ghijk |
| TVNu1582 | 0.837 ±0.152cdefgh | 4.114 ±0.305abcde | 10.357 ±0.608bcdefgh | 23.651 ±0.805ghijklm | 4.978 ±0.515abcde | 56.063 ±1.003defghij |
| TVNu832 | 0.893 ±0.150bcde | 3.716 ±0.315abcdefg | 10.263 ±0.615bcdefghi | 33.593 ±0.858a | 4.496 ±0.500abcdefg | 47.039 ±1.003m |
| TVNu178 | 0.801 ±0.150cdefghi | 4.288 ±0.321abc | 8.759 ±0.600hij | 24.849 ±0.801efghijk | 5.188 ±0.508abc | 56.116 ±1.003defghi |
| TVNu781 | 0.795 ±0.150cdefghi | 4.248 ±0.308abc | 9.685 ±0.602defghij | 24.892 ±0.800efghijk | 5.140 ±0.518abc | 55.239 ±1.056efghij |
| AGG308101WVIG1  | 0.878 ±0.150cdef | 3.673 ±0.300abcdefg | 10.151 ±0.658bcdefghi | 30.289 ±0.852b | 4.445 ±0.505abcdefg | 50.564 ±1.052klm |
| TVNu120  | 0.665 ±0.150efghijk | 4.228 ±0.300abc | 10.270 ±0.635bcdefghi | 24.412 ±0.802efghijkl | 5.116 ±0.508abc | 55.309 ±1.075efghij |
| AGG308097WVIG 1 | 0.920 ±0.151bcd | 3.606 ±0.300abcdefg | 10.026 ±0.652bcdefghij | 26.748 ±0.800cdef | 4.363 ±0.521abcdefg | 54.337 ±1.008ghijk |
| TVNu1593 | 0.543 ±0.110 jk | 4.475 ±0.331ab | 11.836 ±0.6085ab | 22.740 ±0.750jklmn | 5.414 ±0.505ab | 54.993 ±1.035fghij |
| TVNu1370 | 0.679 ±0.110defghijk | 4.285 ±0.300abc | 10.101 ±0.605bcdefghi | 21.120 ±0.728mn | 5.184 ±0.515abc | 58.631 ±1.051bcdefg |
| AGG308096 WVIG2 | 0.904 ±0.150 bcde | 3.694 ±0.307abcdefg | 9.187 ±0.600defghij | 20.357 ±0.689n | 4.470 ±0.500abcdefg | 61.387 ±1.050abc |
| TVNu1629 | 0.532 ±0.120k | 4.043 ±0.351abcdef | 10.790 ±0.606abcdefg | 25.140 ±0.801efghijk | 4.892 ±0.500abcdef | 54.603 ±1.003ghijk |
| AGG308099WVIG2 | 0.663 ±0.103efghijk | 3.978 ±0.321abcdef | 9.687 ±0.600defghij | 28.656 ±0.802bcd | 4.814 ±0.500abcdef | 52.202 ±1.003ijkl |
| TVNu1344 | 0.804 ±0.105cdefghi | 3.657 ±0.305abcdefg | 9.118 ±0.605efghij | 26.153 ±0.781defg | 4.425±0.500 abcdefg | 55.843 ±1.003defghij |
| AGG308107WVIG2  | 0.871 ±0.150 cdefg | 3.235 ±0.308bcdefg | 10.947 ±0.600abcdef | 22.281 ±0.815klmn | 3.915 ±0.500bcdefg | 58.752 ±1.051bcdefg |
| TVNu1358 | 0.850 ±0.150cdefg | 3.323 ±0.315bcdefg | 9.812 ±0.600cdefghij | 22.484 ±0.800jklmn | 4.021 ±0.501bcdefg | 59.510 ±1.068bcde |
| AGG62154WVIG\_1 | 0.662 ±0.121efghijk | 3.601 ±0.250abcdefg | 9.943 ±0.600bcdefghij | 25.347 ±0.800efghij | 4.357 ±0.508abcdefg | 56.090 ±1.056defghi |
| TVNu1529 | 0.684 ±0.106defghijk | 3.640 ±0.300abcdefg | 9.579 ±0.600defghij | 25.811 ±0.808defghi | 4.404 ±0.506abcdefg | 55.881 ±1.015defghij |
| TVNu1546 | 0.774 ±0.102cdefghijk | 3.150 ±0.300cdefg | 11.091 ±0.682abcd | 29.520 ±0.850bc | 3.811±0.500cdefg | 51.655±1.003 jkl |
| TVNu1092  | 0.895 ±0.109bcde | 3.235 ±0.334bcdefg | 8.581 ±0.601hij | 23.870 ±0.805fghijklm | 3.915 ±0.501bcdefg | 59.503 ±1.003bcde |
| TVNu1586 | 0.593 ±0.101ijk | 3.716 ±0.309abcdefg | 9.520 ±0.600defghij | 23.622 ±0.817ghijklm | 4.497 ±0.505abcdefg | 58.051 ±1.009cdefgh |
| TVNu1632 | 0.694 ±0.104defghijk | 3.252 ±0.301bcdefg | 9.848 ±0.608cdefghij | 23.662 ±0.832ghijklm | 3.935 ±0.500bcdefg | 58.609 ±1.015bcdefg |
| TVNu1378 | 0.681 ±0.103defghijk | 3.574 ±0.300abcdefg | 8.864 ±0.600ghij | 26.699 ±0.850cdef | 4.325±0.509abcdefg | 55.858 ±1.003defghij |
| TVNu1624 | 0.725 ±0.105cdefghijk | 3.417 ±0.300bcdefg | 9.661 ±0.609defghij | 22.718 ±0.805jklmn | 4.135 ±0.507bcdefg | 59.344 ±1.085bcdef |
| TVNu381 | 0.776 ±0.135cdefghij | 2.673 ±0.210g | 10.125 ±0.600bcdefghi | 23.141 ±0.807hijklmn | 3.234 ±0.500g | 60.051 ±1.095bcd |
| TVNu1360 | 0.761 ±0.108cdefghijk | 3.220 ±0.305bcdefg | 8.475 ±0.615hij | 24.293 ±0.808fghijkl | 3.897±0.500 bcdefg | 59.354 ±1.065bcdef |
| TVNu1621 | 0.846 ±0.150 cdefgh | 2.849 ±0.250efg | 9.166 ±0.600defghij | 22.864 ±0.805ijklmn | 3.448 ±0.500efg | 60.826 ±1.055abc |
| TVNu837 | 0.755 ±0.121cdefghijk | 3.199 ±0.300bcdefg | 8.343±0.600ij | 25.129 ±0.850efghijk | 3.871 ±0.500bcdefg | 58.703 ±1.003bcdefg |
| TVNu1628 | 0.590 ±0.105ijk | 3.360 ±0.300bcdefg | 8.902 ±0.600ghij | 21.520 ±0.801lmn | 4.065 ±0.500bcdefg | 61.564 ±1.057abc |
| TVNu1796 | 0.604 ±0.115hijk | 2.896 ±0.251defg | 9.709 ±0.607defghij | 23.134 ±0.850hijklmn | 3.505 ±0.487defg | 60.152±1.075 bcd |
| TVNu1591 | 0.720 ±0.131cdefghijk | 2.616 ±0.205g | 8.988 ±0.613fghij | 22.270 ±0.852klmn | 3.165 ±0.495g | 62.241 ±1.354abc |
| TVNu955 | 0.648 ±0.105fghijk | 3.087±0.305 cdefg | 8.469 ±0.605hij | 21.559 ±0.850lmn | 3.735 ±0.500cdefg | 62.502 ±1.352ab |
| TVNu479 | 0.732 ±0.115cdefghijk | 2.793 ±0.208fg | 8.124 ±0.600j | 20.254±0.850 n | 3.380 ±0.502fg | 64.717 ±1.435a  |
|  |  |  |  |  |  |  |
| F  | 11.955 | 5.365 | 8.867 | 31.181 | 5.720 | 25.612 |
| Pr > F(Model) | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| Pr > F(V. vexillata Accessions) | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| Significant | Yes | Yes | Yes | Yes | Yes | Yes |

**Table S3:** A correlation matrix for the proximate composition (Pearson (n))

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Variables (%)** | **Lipid** | **Ash** | **Moisture** | **Protein** | **Fiber** | **Carbohydrates** |
| **Lipid** | 1 | -0.395 | -0.129 | -0.336 | 0.434 | 0.169 |
| **Ash** | -0.395 | 1 | 0.399 | 0.564 | 0.375 | -0.740 |
| **Moisture** | -0.129 | 0.399 | 1 | 0.362 | 0.040 | -0.580 |
| **Protein** | -0.336 | 0.564 | 0.362 | 1 | -0.031 | -0.899 |
| **Fiber** | 0.434 | 0.375 | 0.040 | -0.031 | 1 | -0.320 |
| **Carbohydrates** | 0.169 | -0.740 | -0.580 | -0.899 | -0.320 | 1 |
| *Values in bold are different from 0 with a significance level alpha=0,95* |

**Table S4:** Wild *Vigna* legumes accessions used in the study

| S/N | Accession Number | Species Name | Genebank  |
| --- | --- | --- | --- |
| 1 | TVNu-313  | *Vigna ambacensis* | GRC, IITA  |
| 2 | TVNu-557  | *Vigna ambacensis* | GRC, IITA  |
| 3 | TVNu-1186  | *Vigna ambacensis* | GRC, IITA  |
| 4 | TVNu-375  | *Vigna ambacensis* | GRC, IITA  |
| 5 | TVNu-1212  | *Vigna ambacensis* | GRC, IITA  |
| 6 | TVNu-1792  | *Vigna ambacensis* | GRC, IITA  |
| 7 | TVNu-947  | *Vigna ambacensis* | GRC, IITA  |
| 8 | TVNu-1679  | *Vigna ambacensis* | GRC, IITA  |
| 9 | TVNu-1840  | *Vigna ambacensis* | GRC, IITA  |
| 10 | TVNu-219  | *Vigna ambacensis* | GRC, IITA  |
| 11 | TVNu-720  | *Vigna ambacensis* | GRC, IITA  |
| 12 | TVNu-877  | *Vigna ambacensis* | GRC, IITA  |
| 13 | TVNu-706  | *Vigna ambacensis* | GRC, IITA  |
| 14 | TVNu-216  | *Vigna ambacensis* | GRC, IITA  |
| 15 | TVNu-722  | *Vigna ambacensis* | GRC, IITA  |
| 16 | TVNu-1631  | *Vigna ambacensis* | GRC, IITA  |
| 17 | TVNu-1677  | *Vigna ambacensis* | GRC, IITA  |
| 18 | TVNu-1791  | *Vigna ambacensis* | GRC, IITA  |
| 19 | TVNu-765  | *Vigna ambacensis* | GRC, IITA  |
| 20 | TVNu-1843  | *Vigna ambacensis* | GRC, IITA  |
| 21 | TVNu-629  | *Vigna ambacensis* | GRC, IITA  |
| 22 | TVNu-452  | *Vigna ambacensis* | GRC, IITA  |
| 23 | TVNu-1185  | *Vigna ambacensis* | GRC, IITA  |
| 24 | TVNu-342  | *Vigna ambacensis* | GRC, IITA  |
| 25 | TVNu-1125  | *Vigna ambacensis* | GRC, IITA  |
| 26 | TVNu-1678  | *Vigna ambacensis* | GRC, IITA  |
| 27 | TVNu-223  | *Vigna ambacensis* | GRC, IITA  |
| 28 | TVNu-1644  | *Vigna ambacensis* | GRC, IITA  |
| 29 | TVNu-1781  | *Vigna ambacensis* | GRC, IITA  |
| 30 | TVNu-1851  | *Vigna ambacensis* | GRC, IITA  |
| 31 | TVNu-1069  | *Vigna ambacensis* | GRC, IITA  |
| 32 | TVNu-456  | *Vigna ambacensis* | GRC, IITA  |
| 33 | TVNu-148  | *Vigna ambacensis* | GRC, IITA  |
| 34 | TVNu-3  | *Vigna ambacensis* | GRC, IITA  |
| 35 | TVNu-1827  | *Vigna ambacensis* | GRC, IITA  |
| 36 | TVNu-1691  | *Vigna ambacensis* | GRC, IITA  |
| 37 | TVNu-1804  | *Vigna ambacensis* | GRC, IITA  |
| 38 | TVNu-1699  | *Vigna ambacensis* | GRC, IITA  |
| 39 | TVNu-1184  | *Vigna ambacensis* | GRC, IITA  |
| 40 | TVNu-374  | *Vigna ambacensis* | GRC, IITA  |
| 41 | TVNu-1150  | *Vigna ambacensis* | GRC, IITA  |
| 42 | TVNu-1213  | *Vigna ambacensis* | GRC, IITA  |
| 43 | AGG52867WVIG 1  | *Vigna racemosa* | AGG |
| 44 | AGG51603WVIG 1  | *Vigna racemosa* | AGG |
| 45 | AGG53597WVIG 1  | *Vigna racemosa* | AGG |
| 46 | AGG60436WVIG 1  | *Vigna racemosa* | AGG |
| 47 | *Unknown Vigna racemosa* | *Vigna racemosa* | Self- collected |
| 48 | AGG60441WVIG 1  | *Vigna reticulata* | AGG |
| 49 | AGG17856WVIG 1  | *Vigna reticulata* | AGG |
| 50 | AGG118137WVIG 1  | *Vigna reticulata* | AGG |
| 51 | TVNu-259  | *Vigna reticulata* | GRC, IITA  |
| 52 | TVNu-302  | *Vigna reticulata* | GRC, IITA  |
| 53 | TVNu-161  | *Vigna reticulata* | GRC, IITA  |
| 54 | TVNu-1790  | *Vigna reticulata* | GRC, IITA  |
| 55 | TVNu-138  | *Vigna reticulata* | GRC, IITA  |
| 56 | TVNu-604  | *Vigna reticulata* | GRC, IITA  |
| 57 | TVNu-1112  | *Vigna reticulata* | GRC, IITA  |
| 58 | TVNu-312  | *Vigna reticulata* | GRC, IITA  |
| 59 | TVNu-224  | *Vigna reticulata* | GRC, IITA  |
| 60 | TVNu-1394  | *Vigna reticulata* | GRC, IITA  |
| 61 | TVNu-995  | *Vigna reticulata* | GRC, IITA  |
| 62 | TVNu-1405  | *Vigna reticulata* | GRC, IITA  |
| 63 | TVNu-1522  | *Vigna reticulata* | GRC, IITA  |
| 64 | TVNu-379  | *Vigna reticulata* | GRC, IITA  |
| 65 | TVNu-609  | *Vigna reticulata* | GRC, IITA  |
| 66 | TVNu-1191  | *Vigna reticulata* | GRC, IITA  |
| 67 | TVNu-766  | *Vigna reticulata* | GRC, IITA  |
| 68 | TVNu-343  | *Vigna reticulata* | GRC, IITA  |
| 69 | TVNu-349  | *Vigna reticulata* | GRC, IITA  |
| 70 | TVNu-916  | *Vigna reticulata* | GRC, IITA  |
| 71 | TVNu-758  | *Vigna reticulata* | GRC, IITA  |
| 72 | TVNu-491  | *Vigna reticulata* | GRC, IITA  |
| 73 | TVNu-767  | *Vigna reticulata* | GRC, IITA  |
| 74 | TVNu-608  | *Vigna reticulata* | GRC, IITA  |
| 75 | TVNu-1808  | *Vigna reticulata* | GRC, IITA  |
| 76 | TVNu-1825  | *Vigna reticulata* | GRC, IITA  |
| 77 | TVNu-1852  | *Vigna reticulata* | GRC, IITA  |
| 78 | TVNu-1698  | *Vigna reticulata* | GRC, IITA  |
| 79 | TVNu-932  | *Vigna reticulata* | GRC, IITA  |
| 80 | TVNu-450  | *Vigna reticulata* | GRC, IITA  |
| 81 | TVNu-524  | *Vigna reticulata* | GRC, IITA  |
| 82 | TVNu-605  | *Vigna reticulata* | GRC, IITA  |
| 83 | TVNu-1156  | *Vigna reticulata* | GRC, IITA  |
| 84 | TVNu-607  | *Vigna reticulata* | GRC, IITA  |
| 85 | TVNu-1779  | *Vigna reticulata* | GRC, IITA  |
| 86 | TVNu-325  | *Vigna reticulata* | GRC, IITA  |
| 87 | TVNu-324  | *Vigna reticulata* | GRC, IITA  |
| 88 | TVNu-57  | *Vigna reticulata* | GRC, IITA  |
| 89 | TVNu-56  | *Vigna reticulata* | GRC, IITA  |
| 90 | TVNu-1520  | *Vigna reticulata* | GRC, IITA  |
| 91 | TVNu-602  | *Vigna reticulata* | GRC, IITA  |
| 92 | TVNu-1388  | *Vigna reticulata* | GRC, IITA  |
| 93 | TVNu-141  | *Vigna reticulata* | GRC, IITA  |
| 94 | TVNu-738  | *Vigna reticulata* | GRC, IITA  |
| 95 | TVNu-739  | *Vigna reticulata* | GRC, IITA  |
| 96 | TVNu-350  | *Vigna reticulata* | GRC, IITA  |
| 97 | TVNu-142  | *Vigna reticulata* | GRC, IITA  |
| 98 | TVNu- 1805  | *Vigna reticulata* | GRC, IITA  |
| 99 | *Unknown Vigna reticulata* | *Vigna reticulata* | Self- collected |
| 100 | AGG308102WVIG 3  | *Vigna vexillata* | AGG |
| 101 | AGG308105WVIG 2  | *Vigna vexillata* | AGG |
| 102 | AGG308098WVIG 2  | *Vigna vexillata* | AGG |
| 103 | AGG16683WVIG 5  | *Vigna vexillata* | AGG |
| 104 | AGG308099WVIG 2  | *Vigna vexillata* | AGG |
| 105 | AGG308097WVIG 1  | *Vigna vexillata* | AGG |
| 106 | AGG308101WVIG 1  | *Vigna vexillata* | AGG |
| 107 | AGG308100WVIG 3  | *Vigna vexillata* | AGG |
| 108 | AGG58678WVIG 2  | *Vigna vexillata* | AGG |
| 109 | AGG308103WVIG 3  | *Vigna vexillata* | AGG |
| 110 | AGG308107WVIG 2  | *Vigna vexillata* | AGG |
| 111 | AGG308096 WVIG 2  | *Vigna vexillata* | AGG |
| 112 | AGG62154WVIG 1  | *Vigna vexillata* | AGG |
| 113 | TVNu-1098  | *Vigna vexillata* | GRC, IITA  |
| 114 | TVNu-1629  | *Vigna vexillata* | GRC, IITA  |
| 115 | TVNu-1718  | *Vigna vexillata* | GRC, IITA  |
| 116 | TVNu-1590  | *Vigna vexillata* | GRC, IITA  |
| 117 | TVNu-1378  | *Vigna vexillata* | GRC, IITA  |
| 118 | TVNu-120  | *Vigna vexillata* | GRC, IITA  |
| 119 | TVNu-178  | *Vigna vexillata* | GRC, IITA  |
| 120 | TVNu-1796  | *Vigna vexillata* | GRC, IITA  |
| 121 | TVNu-1529  | *Vigna vexillata* | GRC, IITA  |
| 122 | TVNu-1092  | *Vigna vexillata* | GRC, IITA  |
| 123 | TVNu-1546  | *Vigna vexillata* | GRC, IITA  |
| 124 | TVNu-1370  | *Vigna vexillata* | GRC, IITA  |
| 125 | TVNu 1626  | *Vigna vexillata* | GRC, IITA  |
| 126 | TVNu-1358  | *Vigna vexillata* | GRC, IITA  |
| 127 | TVNu-1624  | *Vigna vexillata* | GRC, IITA  |
| 128 | TVNu-1585  | *Vigna vexillata* | GRC, IITA  |
| 129 | TVNu-1617  | *Vigna vexillata* | GRC, IITA  |
| 130 | TVNu-1621  | *Vigna vexillata* | GRC, IITA  |
| 131 | TVNu-479  | *Vigna vexillata* | GRC, IITA  |
| 132 | TVNu-1344  | *Vigna vexillata* | GRC, IITA  |
| 133 | TVNu-1628  | *Vigna vexillata* | GRC, IITA  |
| 134 | TVNu-381  | *Vigna vexillata* | GRC, IITA  |
| 135 | TVNu-792  | *Vigna vexillata* | GRC, IITA  |
| 136 | TVNu-1586  | *Vigna vexillata* | GRC, IITA  |
| 137 | TVNu-1582  | *Vigna vexillata* | GRC, IITA  |
| 138 | TVNu-293  | *Vigna vexillata* | GRC, IITA  |
| 139 | TVNu-1359  | *Vigna vexillata* | GRC, IITA  |
| 140 | TVNu-955  | *Vigna vexillata* | GRC, IITA  |
| 141 | TVNu-1591  | *Vigna vexillata* | GRC, IITA  |
| 142 | TVNu-1701  | *Vigna vexillata* | GRC, IITA  |
| 143 | TVNu-1443  | *Vigna vexillata* | GRC, IITA  |
| 144 | TVNu-832  | *Vigna vexillata* | GRC, IITA  |
| 145 | TVNu-1121  | *Vigna vexillata* | GRC, IITA  |
| 146 | TVNu-636  | *Vigna vexillata* | GRC, IITA  |
| 147 | TVNu-1476  | *Vigna vexillata* | GRC, IITA  |
| 148 | TVNu-1748  | *Vigna vexillata* | GRC, IITA  |
| 149 | TVNu-781  | *Vigna vexillata* | GRC, IITA  |
| 150 | TVNu-969  | *Vigna vexillata* | GRC, IITA  |
| 151 | TVNu-1592  | *Vigna vexillata* | GRC, IITA  |
| 152 | TVNu-1632  | *Vigna vexillata* | GRC, IITA  |
| 153 | TVNu-333  | *Vigna vexillata* | GRC, IITA  |
| 154 | TVNu-1360  | *Vigna vexillata* | GRC, IITA  |
| 155 | TVNu-1594  | *Vigna vexillata* | GRC, IITA  |
| 156 | TVNu-1369  | *Vigna vexillata* | GRC, IITA  |
| 157 | TVNu-593  | *Vigna vexillata* | GRC, IITA  |
| 158 | TVNu-1593  | *Vigna vexillata* | GRC, IITA  |
| 159 | TVNu-837  | *Vigna vexillata* | GRC, IITA  |
| 160 | *Unknown*  | *Vigna* | 1. Self- collected, NM-AIST, Tanzania
 |

GRC, IITA: Genetic Resource Center, Germplasm Health Unit, International Institute of Tropical Agriculture (IITA), Headquarters, PMB 5320, Oyo Road, Idi-Oshe, Ibadan, Nigeria. AGG:Australian Grain Genebank, Department of Economic Development, Jobs, Transport and Resources, Private Bag 260, Horsham, Victoria 34