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| **Family** | **Species** | **Voucher** | **Code** | **% ID to Bait**  **minimum || median** |
| **Samples sequenced *de novo*** | | | | |
| Cannaceae | *Canna indica* L. | 80856 (Huntington Botanical Garden) | CS37 | 90.60 || 96.20 |
| Cannaceae | *Canna iridiflora* Ruiz & Pav. | 90142 (Huntington Botanical Garden) | CS28 | 83.94 || 96.09 |
| Cannaceae | *Canna jaegeriana* Urb. | M.Bartlett mb0854 (Lyon Arboretum) | CS48 | 90.27 || 95.91 |
| Costaceae | *Chamaecostus acaulis* (S.Moore) T.André & C.D.Specht | 25510 (HUFU) | CS72 | 86.92 || 95.30 |
| Costaceae | *Cheilocostus speciosus* (J.Koenig) C.D.Specht | L-67.1091 (Lyon Arboretum) | CS15 | 83.72 || 96.01 |
| Costaceae | *Costus dubius* (Afzel.) K.Schum. | 89-0918 (U. California Botanical Garden) | CS42 | 88.02 || 97.11 |
| Costaceae | *Costus gabonensis* Koechlin | PJM Maas M10291 | CS49 | 87.73 || 97.22 |
| Costaceae | *Costus osae* Maas & H.Maas | 89894\*1 (Huntington Botanical Garden) | CS52 | 88.62 || 96.71 |
| Costaceae | *Costus pictus* D.Don | 94-685 GH (United States Botanical Research Greenhouse (Smithsonian Institution)) | CS44 | 88.62 || 96.70 |
| Costaceae | *Costus pulverulentus* C.Presl | 2004-0330A (Fairchild Tropical Botanical Garden) | CS45 | 88.62 || 96.66 |
| Costaceae | *Dimerocostus strobilaceus* Kuntze | 2001-0595B (Fairchild Tropical Botanical Garden) | CS17 | 80.43 || 95.24 |
| Costaceae | *Monocostus uniflorus* (Poepp. ex Petersen) Maas | 2000 894H (Fairchild Tropical Botanical Garden) | CS19 | 87.10 || 95.13 |
| Costaceae | *Tapeinochilos ananassae* (Hassk.) K.Schum. | 83458B (Fairchild Tropical Botanical Garden) | CS27 | 87.18 || 95.97 |
| Heliconiaceae | *Heliconia acuminata* A.Rich. | USBRG 1994-727 (United States Botanical Research Greenhouse (Smithsonian Institution)) | CS34 | 89.94 || 98.36 |
| Heliconiaceae | *Heliconia nutans* Woodson | 3311403 (US) | CS69 | 90.32 || 98.00 |
| Heliconiaceae | *Heliconia* sp.23 | 58523A (Fairchild Tropical Botanical Garden) | CS23 | 91.40 || 98.25 |
| Heliconiaceae | *Heliconia* sp. 25 | 10823 (HNT) | CS25 | 73.30 || 98.15 |
| Heliconiaceae | *Heliconia* sp. 41 | 90.1609 (U. California Botanical Garden) | CS41 | 89.36 || 98.16 |
| Lowiaceae | *Orchidantha fimbriata* Holttum | 2003-1178A (Fairchild Tropical Botanical Garden) | CS30 | 91.25 || 98.15 |
| Lowiaceae | *Orchidantha maxillarioides* (Ridl.) K.Schum. | 1639/91 (New York Botanical Garden) | CS57 | 92.27 || 98.15 |
| Marantaceae | *Calathea roseopicta* (Linden) Regel | B.AA.033 (U.C. Davis Botanical Conservatory) | CS06 | 87.92 || 95.42 |
| Marantaceae | *Donax canniformis* K.Schum. | L-83.0894 (Lyon Arboretum) | CS50 | 83.11 || 95.38 |
| Marantaceae | *Halopegia azurea* (K.Schum.) K.Schum. | 2003.0185 (Lyon Arboretum) | CS39 | 88.02 || 95.50 |
| Marantaceae | *Ischnosiphon heleniae* L.Andersson | L-86.0493 (Lyon Arboretum) | CS53 | 82.80 || 95.21 |
| Marantaceae | *Marantochloa leucantha* (K.Schum.) Milne-Redh. | L-80.0376 (Lyon Arboretum) | CS24 | 87.08 || 95.53 |
| Marantaceae | *Stromanthe stromanthoides* (J.F.Macbr.) L. Andersson | 93679A (Fairchild Tropical Botanical Garden) | CS18 | 90.83 || 97.35 |
| Marantaceae | *Thaumatococcus daniellii* (Benn.) Benth. | 83374A (Fairchild Tropical Botanical Garden) | CS38 | 88.93 || 95.36 |
| Musaceae | *Ensete superbum* (Roxb.) Cheesman | USBRG 1998-164 (United States Botanical Research Greenhouse (Smithsonian Institution)) | CS51 | 88.12 || 98.03 |
| Musaceae | *Ensete ventricosum* (Welw.) Cheesman | C. Barrett 359 CA (CSLA) | CS14 | 89.56 || 98.05 |
| Musaceae | *Musa basjoo* Siebold & Zucc. ex Iinuma | 89.0873 (U. California Botanical Garden) | CS70 | 86.53 || 98.80 |
| Musaceae | *Musa coccinea* Andrews | ITC0287 (Bioversity) | CS54 | 88.76 || 98.31 |
| Musaceae | *Musa ornata* Roxb. | ITC0637 (Bioversity) | CS55 | 93.56 || 98.80 |
| Musaceae | *Musa* sp. | 2007-0825A (Fairchild Tropical Botanical Garden) | CS12 | 87.80 || 98.86 |
| Musaceae | *Musella lasiocarpa* (Franch.) C.Y.Wu ex H.W.Li | 98 1187A (Fairchild Tropical Botanical Garden) | CS13 | 89.90 || 98.14 |
| Strelitziaceae | *Ravenala madagascariensis* Sonn. | P.1396G (Fairchild Tropical Botanical Garden) | CS35 | 92.86 || 98.22 |
| Strelitziaceae | *Strelitzia caudata* R.A.Dyer | 98443 (Huntington Botanical Garden) | CS43 | 92.62 || 98.03 |
| Strelitziaceae | *Strelitzia reginae* Banks | M. Bartlett mb0607 (ex hort.: Spruce St, Berkeley CA) | CS71 | 93.09 || 96.97 |
| Zingiberaceae | *Aframomum angustifolium* (Sonn.) K.Schum. | 9577A (Fairchild Tropical Botanical Garden) | CS40 | 81.22 || 95.79 |
| Zingiberaceae | *Alpinia purpurata* (Vieill.) K.Schum. | Poulsen 2467 (BSIP,E,AAU) | CS46 | 85.93 || 96.10 |
| Zingiberaceae | *Alpinia zerumbet* (Pers.) B.L.Burtt & R.M.Sm. | X.17-31A (Fairchild Tropical Botanical Garden) | CS29 | 85.96 || 96.00 |
| Zingiberaceae | *Curcuma longa* L. | B.97.097 (U.C. Davis Botanical Conservatory) | CS07 | 86.13 || 96.39 |
| Zingiberaceae | *Curcuma roscoeana* Wall. | 96 1594A (Fairchild Tropical Botanical Garden) | CS47 | 89.36 || 96.51 |
| Zingiberaceae | *Elettariopsis stenosiphon* (K.Schum.) B.L.Burtt & R.M.Sm. | 2001-0839A (Fairchild Tropical Botanical Garden) | CS22 | 74.03 || 96.12 |
| Zingiberaceae | *Etlingera elatior* (Jack) R.M.Sm. | 97-686A (Fairchild Tropical Botanical Garden) | CS36 | 81.31 || 95.94 |
| Zingiberaceae | *Globba winitii* C.H.Wright | B.94.376 (U.C. Davis Botanical Conservatory) | CS09 | 86.11 || 96.17 |
| Zingiberaceae | *Hedychium coronarium* J.Koenig | B.2004.173 (U.C. Davis Botanical Conservatory) | CS02 | 90.27 || 97.04 |
| Zingiberaceae | *Renealmia alpinia* (Rottb.) Maas | 93-740D (Fairchild Tropical Botanical Garden) | CS21 | 88.82 || 96.00 |
| Zingiberaceae | *Riedelia* sp. | 2001-0838A (Fairchild Tropical Botanical Garden) | CS16 | 86.84 || 96.30 |
| Zingiberaceae | *Scaphochlamys* sp. | L-83.0941 (Lyon Arboretum) | CS33 | 86.73 || 97.03 |
| Zingiberaceae | *Siamanthus siliquosus* K.Larsen & J.Mood | 1995-187 (United States Botanical Research Greenhouse (Smithsonian Institution)) | CS58 | 82.25 || 96.41 |
| Zingiberaceae | *Siphonochilus kirkii* (Hook.f.) B.L.Burtt | 2004-0324A (Fairchild Tropical Botanical Garden) | CS32 | 74.75 || 94.37 |
| Zingiberaceae | *Zingiber officinale* Roscoe | UCBG 90-1128 (U. California Botanical Garden) | CS20 | 87.90 || 96.95 |
| Zingiberaceae | *Zingiber spectabile* Griff. | 95-825A (Fairchild Tropical Botanical Garden) | CS31 | 86.75 || 97.45 |
| **Genomic resources used in phylogeny** | | | | |
| Arecaceae | *Sabal bermudana* L.H.Bailey | Transcriptome data (OneKP, acc. HWUP) | HWUP |  |
| Hanguanaceae | *Hanguana malayana* Merr. | Transcriptome data (MonAToL, acc. Hanguana malayana) | HAMA |
| Typhaceae | *Typha angustifolia* L. | Transcriptome data (OneKP, acc. PPQR) | PPQR |
| Musaceae | *Musa acuminata* Colla subsp. *malaccencis* (Ridl.) Nasution DH-Pahang v1 | Whole genome data, GI 400259569 | MUAC |
| Musaceae | *Musa balbisiana* Colla “Pisung Klutuk Wulung” | Whole genome data, SAMN02333823 | MUBA |
| **Genomic resources used to generate bait** | | | | |
| Costaceae | *Costus pulverulentus* C.Presl | Transcriptome data (MonAToL, acc. *Costus pulverulentus)* |  | 86.18 || 92.42 |
| Zingiberaceae | *Zingiber officinale* Roscoe | Transcriptome data (1KP, acc. BDJQ) | 87.50 || 92.31 |
| Zingiberaceae | *Curcuma longa* L. | Transcriptome data (1KP, acc. JQCX) |
| Zingiberaceae | *Curcuma longa* L. | Transcriptome data (1KP, acc. OYLU) |
| Lowiaceae | *Orchidantha maxillarioides* K.Schum. | Transcriptome data (1KP, acc. LSKK) | 88.59 || 94.08 |
| Cannaceae | *Canna* sp*.* | Transcriptome data (1KP, acc. TZNS) | 86.44 || 92.93 |
| Strelitziaceae | *Strelitzia reginae* Banks | Transcriptome data (1KP, acc. UOEL) | 90.24 || 95.16 |
| Marantaceae | *Maranta leuconeura* E.Morren | Transcriptome data (1KP, acc. JNUB) | 88.75 || 92.68 |
| Heliconiaceae | *Heliconia* sp. | Transcriptome data (1KP, acc. KNKV) | 89.32 || 94.79 |
| Musaceae | *Musa acuminata* Colla subsp. *malaccencis* (Ridl.) Nasution DH-Pahang v1 | Whole genome data, GI 400259569 |  | |
| Costaceae | *Costus pulverulentus* C.Presl | GI 557637393 |
| Zingiberaceae | *Zingiber spectabile* Griff. | GI 456061535 |
| Heliconiaceae | *Heliconia* sp. | GI 456061430 |
| Zingiberaceae | *Alpinia zerumbet* (Pers.) B.L.Burtt & R.M.Sm. | GI 449326771 |
| Lowiaceae | *Orchidantha fimbriata* Holttum | GI 557637062 |
| Cannaceae | *Canna indica* L. | GI 557637135 |
| Strelitziaceae | *Ravenala madagascariensis* Sonn. | GI 563940634 |
| Marantaceae | *Maranta leuconeura* E.Morren | GI 557637221 |