**Table S1** ddRAD samples. Catalog prefixes represent Yale Peabody Museum of Natural History (YPM), Illinois Natural History Survey (INHS), and New Brunswick Museum Tissue Collection (NBMT), and Field Museum of Natural History (FMNH). Additional DNA samples (\*) were provided by James Austin, University of Florida.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Specimen Catalog Number | *Rana* Species | SeqCode | NCBI cytb accession | SRA ddRAD accession |
| YPM HERA.020423 | *catesbeiana* | RcatA\_AR | OP414970 | SRS15085385 |
| YPM HERA.020424 | *catesbeiana* | RcatB\_AR | OP414971 | SRS15085386 |
| YPM HERA.019644 | *catesbeiana* | RcatC\_CT | OP414968 | SRS15085397 |
| YPM HERA.019414 | *catesbeiana* | RcatD\_CT | OP414969 | SRS15085408 |
| YPM HERA.020431 | *catesbeiana* | RcatF\_TN | OP414972 | SRS15085421 |
| YPM HERA.020454 | *clamitans* | RclaA\_AL | OP415042 | SRS15085432 |
| YPM HERA.020397 | *clamitans* | RclaAA\_LA | OP414989 | SRS15085443 |
| YPM HERA.020389 | *clamitans* | RclaAB\_LA | OP414977 | SRS15085454 |
| YPM HERA.020459 | *clamitans* | RclaAC\_LA | OP414978 | SRS15085465 |
| YPM HERA.020391 | *clamitans* | RclaAD\_LA | OP414976 | SRS15085418 |
| YPM HERA.020717 | *clamitans* | RclaAE\_ME | OP415000 | SRS15085387 |
| YPM HERA.020720 | *clamitans* | RclaAF\_ME | OP415001 | SRS15085388 |
| YPM HERA.015776 | *clamitans* | RclaAG\_ME | OP415002 | SRS15085389 |
| YPM HERA.021804 | *clamitans* | RclaAH\_MI | OP414985 | SRS15085390 |
| YPM HERA.021805 | *clamitans* | RclaAI\_MI | OP414986 | SRS15085391 |
| YPM HERA.021806 | *clamitans* | RclaAJ\_MI | OP414987 | SRS15085392 |
| YPM HERA.021894 | *clamitans* | RclaAK\_MN | OP414992 | SRS15085393 |
| YPM HERA.021880 | *clamitans* | RclaAL\_MN | OP414993 | SRS15085394 |
| YPM HERA.021893 | *clamitans* | RclaAM\_MN | OP414991 | SRS15085395 |
| YPM HERA.021389 | *clamitans* | RclaAN\_MS | OP415026 | SRS15085396 |
| YPM HERA.021390 | *clamitans* | RclaAO\_MS | OP414979 | SRS15085398 |
| YPM HERA.021391 | *clamitans* | RclaAP\_MS | OP414980 | SRS15085399 |
| YPM HERA.021465 | *clamitans* | RclaAQ\_MO | OP414996 | SRS15085400 |
| YPM HERA.021398 | *clamitans* | RclaAR\_OH | NA | SRS15085401 |
| YPM HERA.021399 | *clamitans* | RclaAS\_OH | NA | SRS15085402 |
| NBMT AR 10209 | *clamitans* | RclaAT\_NB | OP415003 | SRS15085403 |
| NBMT AR 10210 | *clamitans* | RclaAU\_NB | OP415004 | SRS15085404 |
| NBMT AR 10159 | *clamitans* | RclaAV\_NB | OP415005 | SRS15085405 |
| YPM HERA.021950 | *clamitans* | RclaAW\_NF | OP415006 | SRS15085406 |
| YPM HERA.021951 | *clamitans* | RclaAX\_NF | OP415012 | SRS15085407 |
| YPM HERA.021952 | *clamitans* | RclaAY\_NF | OP415007 | SRS15085409 |
| YPM HERA.020762 | *clamitans* | RclaAZ\_OH | OP415013 | SRS15085410 |
| YPM HERA.020455 | *clamitans* | RclaB\_AL | OP415043 | SRS15085411 |
| YPM HERA.020748 | *clamitans* | RclaBA\_OH | OP415014 | SRS15085412 |
| YPM HERA.021386 | *clamitans* | RclaBB\_OH | OP415016 | SRS15085413 |
| YPM HERA.021402 | *clamitans* | RclaBC\_ON | OP415017 | SRS15085414 |
| YPM HERA.021418 | *clamitans* | RclaBD\_ON | OP415018 | SRS15085415 |
| YPM HERA.021949 | *clamitans* | RclaBE\_ON | OP415019 | SRS15085416 |
| YPM HERA.021467 | *clamitans* | RclaBG\_TN | OP415021 | SRS15085419 |
| YPM HERA.021475 | *clamitans* | RclaBH\_TN | OP415022 | SRS15085420 |
| YPM HERA.020408 | *clamitans* | RclaBJ\_TN | OP415044 | SRS15085422 |
| YPM HERA.020409 | *clamitans* | RclaBK\_TN | OP415046 | SRS15085423 |
| YPM HERA.020410 | *clamitans* | RclaBL\_TN | OP415045 | SRS15085424 |
| YPM HERA.020715 | *clamitans* | RclaBM\_TX | OP414973 | SRS15085425 |
| YPM HERA.021422 | *clamitans* | RclaBN\_TX | OP414975 | SRS15085426 |
| YPM HERA.021421 | *clamitans* | RclaBO\_TX | OP414974 | SRS15085427 |
| YPM HERA.021378 | *clamitans* | RclaBQ\_VT | OP414999 | SRS15085428 |
| YPM HERA.021382 | *clamitans* | RclaBR\_VT | OP415008 | SRS15085429 |
| YPM HERA.020601 | *clamitans* | RclaBS\_DC | OP415029 | SRS15085430 |
| YPM HERA.020734 | *clamitans* | RclaBT\_DC | OP414998 | SRS15085431 |
| YPM HERA.020738 | *clamitans* | RclaBU\_DC | OP415030 | SRS15085433 |
| YPM HERA.020731 | *clamitans* | RclaBV\_WI | OP415032 | SRS15085434 |
| YPM HERA.020605 | *clamitans* | RclaBW\_WI | OP415033 | SRS15085435 |
| YPM HERA.021447 | *clamitans* | RclaBX\_WI | OP415031 | SRS15085436 |
| YPM HERA.020399 | *clamitans* | RclaC\_AR | OP414997 | SRS15085437 |
| YPM HERA.020484 | *clamitans* | RclaD\_AR | OP414995 | SRS15085438 |
| YPM HERA.020485 | *clamitans* | RclaE\_AR | NA | SRS15085439 |
| YPM HERA.015974 | *clamitans* | RclaF\_CT | OP415009 | SRS15085440 |
| YPM HERA.019249 | *clamitans* | RclaG\_CT | OP415010 | SRS15085441 |
| YPM HERA.015964 | *clamitans* | RclaH\_CT | OP415011 | SRS15085442 |
| YPM HERA.021931 | *clamitans* | RclaI\_FL | OP414981 | SRS15085444 |
| YPM HERA.021932 | *clamitans* | RclaJ\_FL | OP414982 | SRS15085445 |
| YPM HERA.021933 | *clamitans* | RclaK\_FL | OP414983 | SRS15085446 |
| YPM HERA.020442 | *clamitans* | RclaM\_GA | OP415040 | SRS15085447 |
| YPM HERA.020443 | *clamitans* | RclaN\_GA | OP415041 | SRS15085448 |
| INHS 24123 | *clamitans* | RclaO\_IL | OP415034 | SRS15085449 |
| INHS 16804 | *clamitans* | RclaP\_IL | OP414994 | SRS15085450 |
| INHS 23259 | *clamitans* | RclaQ\_IL | OP415035 | SRS15085451 |
| FMNH 278102 | *clamitans* | RclaR\_IN | OP415027 | SRS15085452 |
| FMNH 275299 | *clamitans* | RclaS\_IN | OP414988 | SRS15085453 |
| FMNH 284868 | *clamitans* | RclaT\_IN | OP415036 | SRS15085455 |
| YPM HERA.020765 | *clamitans* | RclaU\_KY | OP415038 | SRS15085456 |
| YPM HERA.020764 | *clamitans* | RclaV\_KY | OP415037 | SRS15085457 |
| YPM HERA.020741 | *clamitans* | RclaW\_KY | OP415025 | SRS15085458 |
| YPM HERA.020742 | *clamitans* | RclaX\_KY | OP415024 | SRS15085459 |
| YPM HERA.020395 | *clamitans* | RclaY\_LA | OP414990 | SRS15085460 |
| YPM HERA.020396 | *clamitans* | RclaZ\_LA | OP414984 | SRS15085461 |
| 1332 Rgry\* | *grylio* | RgryA\_GA | NA | SRS15085462 |
| 864a UF 133864-1 Rhec\* | *hecksheri* | RhecA\_FL | NA | SRS15085463 |
| JDA 3155 Roka 2008\* | *okaloosae* | RokaA\_FL | OP415047 | SRS15085464 |
| A54 Roka 2008\* | *okaloosae* | RokaB\_FL | OP415039 | SRS15085466 |
| JDA 3160 Roka 2008\* | *okaloosae* | RokaC\_FL | OP415048 | SRS15085467 |
| YPM HERA.015781 | *septentrionalis* | RsepA\_ME | OP414962 | SRS15085468 |
| YPM HERA.015867 | *septentrionalis* | RsepB\_ME | OP414963 | SRS15085469 |
| YPM HERA.015876 | *septentrionalis* | RsepC\_ME | OP414964 | SRS15085470 |
| YPM HERA.021888 | *septentrionalis* | RsepE\_MN | OP414966 | SRS15085471 |
| YPM HERA.021889 | *septentrionalis* | RsepF\_MN | OP414967 | SRS15085472 |
| YPM HERA.020450 | *sphenocephala* | RsphA\_GA | OP414959 | SRS15085473 |
| YPM HERA.019350 | *sylvatica* | RsylA\_CT | OP414960 | SRS15085474 |
| 1351 Rvit\* | *virgatipes* | RvirA\_SC | OP414961 | SRS15085417 |
| YPM HERA.021399 | *clamitans* | RclaAS\_MO | OP415015 | NA |
| YPM HERA 021942 | *clamitans* | RclaBF\_ON | OP415020 | NA |
| YPM HERA 021473 | *clamitans* | RclaBI\_TN | OP415023 | NA |
| YPM HERA 021384 | *clamitans* | RclaBP\_VT | OP415028 | NA |
| YPM HERA 021887 | *septentrionalis* | RsepD\_MN | OP414965 | NA |