

Table S7. X-linked miRNAs in bovine, mouse and human

| Cluster | Bovine ^a | | | | | | Human ^b | | | | | Mouse ^c | | | | |
|---------|---------------------|-------|-----------|----------|----------|--------|--------------------|------|-----------|-----------|--------|--------------------|------|-----------|-----------|--------|
| | pre-miRNA | Count | Chr./ Co. | Start | End | strand | pre-miRNA | Chr. | Start | End | strand | pre-miRNA | Chr. | Start | End | strand |
| 1 | bta-mir-221 | 19 | X | 61412746 | 61412855 | + | hsa-mir-221 | X | 45490529 | 45490638 | - | mmu-mir-221 | X | 18723420 | 18723514 | - |
| | bta-mir-222 | 5 | X | 61412052 | 61412161 | + | hsa-mir-222 | X | 45491365 | 45491474 | - | mmu-mir-222 | X | 18724019 | 18724097 | - |
| 2 | bta-mir-532 | 14/32 | X | 54783137 | 54783222 | - | hsa-mir-532 | X | 49654494 | 49654584 | + | mmu-mir-532 | X | 6825528 | 6825623 | - |
| | bta-mir-500 | 4/7 | X | 54769936 | 54770033 | - | hsa-mir-500 | X | 49659779 | 49659862 | + | mmu-mir-500 | X | 6814809 | 6814900 | - |
| 3 | bta-mir-362 | 11 | X | 54771199 | 54771297 | - | hsa-mir-362 | X | 49660312 | 49660376 | + | mmu-mir-362 | X | 6819108 | 6819172 | - |
| | bta-mir-660 | 1 | X | 54767794 | 54767873 | - | hsa-mir-660 | X | 49664589 | 49664685 | + | gap? | | | | |
| 3 | bta-mir-98 | 0 | X | 58737622 | 58737740 | - | hsa-mir-98 | X | 53599909 | 53600027 | - | mmu-mir-98 | X | 148347757 | 148347864 | + |
| | bta-let-7f-2 | 11.5 | X | 58738526 | 58738608 | - | has-let-7f-2 | X | 53600878 | 53600960 | - | mmu-let-7f-2 | X | 148346889 | 148346971 | + |
| 4 | bta-mir-1468 | 5 | X | 58411908 | 58412004 | + | hsa-mir-1468 | X | 62922607 | 62922692 | - | gap? | | | | |
| | bta-mir-223 | 2 | X | 56723507 | 56723603 | - | hsa-mir-223 | X | 65155437 | 65155546 | + | mmu-mir-223 | X | 93438156 | 93438265 | + |
| 4 | bta-mir-374b | 14 | X | 46943043 | 46943140 | + | hsa-mir-374b | X | 73355107 | 73355178 | - | mmu-mir-374 | X | 100768399 | 100768493 | - |
| | bta-mir-545 | 0 | X | 46871699 | 46871804 | + | hsa-mir-545 | X | 73423664 | 73423769 | - | gap? | | | | |
| 4 | bta-mir-374a | 14 | X | 46871549 | 46871620 | + | hsa-mir-374a | X | 73423846 | 73423917 | - | gap? | | | | |
| | bta-mir-361 | 1/3 | X | 42524578 | 42524648 | + | hsa-mir-361 | X | 85045297 | 85045368 | - | mmu-mir-361 | X | 110188433 | 110188502 | - |
| 5 | bta-mir-652 | 9 | gap | | | | hsa-mir-652 | X | 109185213 | 109185310 | + | mmu-mir-652 | X | 139173543 | 139173640 | + |
| | bta-mir-363 | 1 | Un.004.53 | 180833 | 180906 | - | hsa-mir-363 | X | 133131074 | 133131148 | - | mmu-mir-363 | X | 50094870 | 50094944 | - |
| 5 | bta-mir-92a-2 | 138 | Un.004.53 | 180988 | 181055 | - | hsa-mir-92a-2 | X | 133131234 | 133131308 | - | mmu-mir-92a-2 | X | 50095015 | 50095105 | - |
| | bta-mir-19b-2 | 3.5 | Un.004.53 | 181139 | 181221 | - | hsa-mir-19b-2 | X | 133131367 | 133131462 | - | mmu-mir-19b-2 | X | 50095160 | 50095243 | - |
| 5 | bta-mir-20b | 1 | Un.004.53 | 181264 | 181332 | - | hsa-mir-20b | X | 133131505 | 133131573 | - | mmu-mir-20b | X | 50095290 | 50095369 | - |
| | bta-mir-18b | 0 | Un.004.53 | 181499 | 181573 | - | hsa-mir-18b | X | 133131737 | 133131807 | - | mmu-mir-18b | X | 50095508 | 50095590 | - |
| 6 | bta-mir-106a | 0 | Un.004.53 | 181658 | 181738 | - | hsa-mir-106a | X | 133131894 | 133131974 | - | mmu-mir-106a | X | 50095680 | 50095744 | - |
| | bta-mir-450-1 | 3 | Un.004.53 | 440487 | 440729 | - | hsa-mir-450a-1 | X | 133502037 | 133502127 | - | mmu-mir-450a-1 | X | 50401331 | 50401421 | - |
| 6 | bta-mir-450-2 | 3 | Un.004.53 | 440638 | 441646 | - | hsa-mir-450a-2 | X | 133502204 | 133502303 | - | mmu-mir-450a-2 | X | 50401476 | 50401544 | - |
| | bta-mir-542 | 1 | Un.004.53 | 441550 | 440568 | - | hsa-mir-542 | X | 133503037 | 133503133 | - | mmu-mir-542 | X | 50402580 | 50402664 | - |
| 6 | bta-mir-504 | 6 | X | 12002347 | 12002444 | - | hsa-mir-504 | X | 137577538 | 137577620 | - | mmu-mir-504 | X | 56350835 | 56350913 | - |
| | bta-mir-505 | 4 | X | 13241304 | 13241399 | + | hsa-mir-505 | X | 138833973 | 138834056 | - | mmu-mir-505 | X | 57647578 | 57647667 | - |
| 7 | bta-mir-224 | 4 | X | 21831345 | 21831443 | - | hsa-mir-224 | X | 150877706 | 150877786 | - | mmu-mir-224 | X | 69506370 | 69506451 | - |
| | bta-mir-452 | 1 | X | 21832378 | 21832472 | - | hsa-mir-452 | X | 150878756 | 150878840 | - | mmu-mir-452 | X | 69507563 | 69507647 | - |

X-linked miRNAs from bovine, mouse and human, were clustered if they were less than 5,000 bp apart on the same strand.

a: miRNA counts for sequences that matched two or more different precursors are split equally among them. Mature miRNAs generated from the same precursor are listed and split with "/".

b: Precursors of miRNA sorted according to the position of human miRNAs.

c: Pre-miRNAs unidentified in mouse X chromosome may be result of gaps there.