**Table S4.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Score in L3** | **miRNA** | **value\_L3, RPKM\*** | **value\_L4, RPKM\*** | **Fold change#** |
| **1** | *mmu*-mir-29a | 1309760 | 307410 | 4.3 |
| **2** | *mmu*-mir-451a | 1043800 | 287144 | 3.6 |
| **3** | *mmu*-mir-140 | 869954 | 486671 | 1.8 |
| **4** | *mmu*-mir-23a | 604959 | 222958 | 2.7 |
| **5** | *mmu*-mir-145 | 384463 | 168195 | 2.3 |
| **6** | *mmu*-mir-205 | 277686 | 113413 | 2.5 |
| **7** | *mmu*-mir-130a | 215001 | 62320.4 | 3.5 |
| **8** | *mmu*-mir-15b | 198555 | 92987.2 | 2.1 |
| **9** | *mmu*-mir-99a | 191884 | 77512.6 | 2.5 |
| **10** | *mmu*-mir-23b | 184451 | 67119 | 2.8 |
| **11** | *mmu*-mir-142 | 162985 | 40459 | 4.0 |
| **12** | *mmu*-mir-125a | 157965 | 61373.7 | 2.6 |
| **13** | *mmu*-mir-126 | 118654 | 36665.4 | 3.24 |
| **14** | *mmu*-mir-320 | 96308.6 | 43308.5 | 2.2 |
| **15** | *mmu*-mir-484 | 75419 | 45546 | 1.7 |
| **16** | *mmu*-mir-27a | 71993 | 24095.8 | 3.0 |
| **17** | *mmu*-mir-425 | 71773 | 37168.4 | 1.9 |
| **18** | *mmu*-mir-10b | 66826.3 | 17919 | 3.7 |
| **19** | *mmu*-mir-328 | 61512.4 | 38717.2 | 1.6 |
| **20** | *mmu*-mir-150 | 55039.4 | 26210.6 | 2.1 |
| **21** | *mmu*-mir-149 | 51604.6 | 36499.9 | 1.4 |
| **22** | *mmu*-mir-92-2 | 50772.8 | 35829 | 1.4 |
| **23** | *mmu*-mir-122a | 49724.5 | 4639.8 | 10.7 |
| **24** | *mmu*-mir-146 | 48906.6 | 13791.3 | 3.6 |
| **25** | *mmu*-mir-221 | 45156.6 | 15086 | 3.0 |
| **26** | *mmu*-mir-193b | 38864.2 | 8607.4 | 4.5 |
| **27** | *mmu-*mir-30b | 35615 | 16592 | 2.2 |
| **28** | *mmu*-mir-187 | 33816 | 23889 | 1.4 |
| **29** | *mmu*-mir-192 | 32576 | 6177.4 | 5.3 |
| **30** | *mmu*-mir-30d | 32070 | 12171.4 | 2.6 |
| **31** | *mmu*-mir-17 | 29981.7 | 11510.7 | 2.6 |
| **32** | *mmu*-mir-139 | 26245.2 | 17700.3 | 1.5 |
| **33** | *mmu*-let-7d | 25963.8 | 11034 | 2.4 |
| **34** | *mmu*-mir-193 | 23551 | 5842.7 | 4.0 |
| **35** | *mmu*-mir-1839 | 23244.5 | 4769.5 | 4.9 |
| **36** | *mmu*-mir-100 | 23156.7 | 6785.6 | 3.4 |
| **37** | *mmu*-mir-1-1 | 22102.2 | 3409.5 | 6.5 |
| **38** | *mmu*-mir-203 | 21734.6 | 5454.4 | 4.0 |
| **39** | *mmu*-mir-21a | 21474.8 | 3075 | 7.0 |
| **40** | *mmu*-mir-133b | 19414 | 10169.6 | 1.9 |
| **41** | *mmu*-mir-130b | 18726 | 6026 | 3.1 |
| **42** | *mmu*-mir-132 | 17366.5 | 8764 | 2.0 |
| **43** | *mmu*-mir-222 | 16909.5 | 7355.8 | 2.3 |
| **44** | *mmu*-mir-125b-1 | 16862.7 | 6609.8 | 2.6 |
| **45** | *mmu*-mir-107 | 15092.3 | 7257 | 2.1 |
| **46** | *mmu*-mir-18a | 14349 | 4672 | 3.1 |
| **47** | *mmu*-mir-27b | 14197 | 3626.8 | 3.9 |
| **48** | *mmu*-mir-10a | 13777.2 | 3779.8 | 3.6 |
| **49** | *mmu*-mir-322 | 13569.8 | 4633.8 | 2.9 |
| **50** | *mmu*-mir-532 | 13510 | 5970.2 | 2.3 |
| **51** | *mmu*-mir-339 | 13407 | 8014.8 | 1.7 |
| **52** | *mmu*-mir-409 | 12585 | 5488 | 2.3 |
| **53** | *mmu*-mir-138-2 | 11341.2 | 5623.3 | 2.0 |
| **54** | *mmu*-mir-872 | 10867 | 3978.6 | 2.7 |
| **55** | *mmu*-mir-511 | 10284.3 | 4197.8 | 2.5 |
| **56** | *mmu*-mir-744 | 10105 | 6509.8 | 1.6 |
| **57** | *mmu-*mir-674 | 9783.3 | 6661.8 | 1.5 |
| **58** | *mmu*-mir-30a | 9385.8 | 3667.4 | 2.6 |
| **59** | *mmu*-mir-15a | 9160.5 | 1863.2 | 4.9 |
| **60** | *mmu*-mir-543 | 8982.8 | 2814.5 | 3.2 |
| **61** | *mmu*-let-7b | 8553.3 | 3434.2 | 2.5 |
| **62** | *mmu-*mir-185 | 7588 | 2563.3 | 3.0 |
| **63** | *mmu*-mir-200b | 6999.9 | 1763 | 4.0 |
| **64** | *mmu*-mir-128-2 | 6815.6 | 2923.6 | 2.3 |
| **65** | *mmu*-mir-500 | 6596 | 3289.5 | 2.0 |
| **66** | *mmu*-mir-676 | 5784.2 | 3206.5 | 1.8 |
| **67** | *mmu*-mir-382 | 5747.7 | 2138 | 2.7 |
| **68** | *mmu*-mir-19b-2 | 5682.8 | 1468.4 | 3.9 |
| **69** | *mmu-*mir-144 | 5492 | 1374.8 | 4.0 |
| **70** | *mmu*-mir-365-1 | 5314.8 | 2170 | 2.5 |
| **71** | *mmu*-mir-134 | 5084 | 2553.6 | 2.0 |
| **72** | *mmu*-mir-494 | 5009.5 | 790.2 | 6.3 |
| **73** | *mmu*-mir-337 | 4979 | 1097 | 4.5 |
| **74** | *mmu*-mir-34b | 4955.3 | 1089.5 | 4.6 |
| **75** | *mmu*-mir-664 | 4932.2 | 1448.8 | 3.4 |
| **76** | *mmu*-mir-224 | 4546.3 | 1178 | 3.9 |
| **77** | *mmu*-mir-19b-1 | 4422.2 | 1212 | 3.7 |
| **78** | *mmu*-mir-324 | 4314.6 | 2591.4 | 1.7 |
| **79** | *mmu*-mir-212 | 4311.4 | 2836.6 | 1.5 |
| **80** | *mmu*-mir-31 | 4302.7 | 1062.7 | 4.0 |
| **81** | *mmu*-mir-421 | 4114.5 | 1221.8 | 3.4 |
| **82** | *mmu-*mir-215 | 4031 | 766.5 | 5.3 |
| **83** | *mmu*-mir-20a | 3862.2 | 565.2 | 6.8 |
| **84** | *mmu*-mir-34a | 3847.5 | 2002.4 | 1.9 |
| **85** | *mmu*-mir-503 | 3754.3 | 2091.8 | 1.8 |
| **86** | *mmu*-mir-485 | 3719.1 | 1018.5 | 3.7 |
| **87** | *mmu*-mir-143 | 3449.2 | 998.3 | 3.5 |
| **88** | *mmu*-mir-667 | 3433.3 | 2197 | 1.6 |
| **89** | *mmu-*mir-326 | 3259.2 | 1967.8 | 1.7 |
| **90** | *mmu*-mir-30e | 3112 | 1010.4 | 3.1 |
| **91** | *mmu-*mir-204 | 2921 | 1061.4 | 2.8 |
| **92** | *mmu*-mir-19a | 2899.8 | 478 | 6.1 |
| **93** | *mmu*-mir-497 | 2886.8 | 1737 | 1.7 |
| **94** | *mmu*-mir-148a | 2754 | 1275.4 | 2.2 |
| **95** | *mmu*-mir-34c | 2650 | 1234 | 2.2 |
| **96** | *mmu*-let-7f-1 | 2619 | 562.8 | 4.7 |
| **97** | *mmu-*mir-350 | 2581 | 582.3 | 4.4 |
| **98** | *mmu*-mir-125b-2 | 2463.8 | 760.6 | 3.2 |
| **99** | *mmu*-mir-296 | 2273 | 847.3 | 2.7 |
| **100** | *mmu*-mir-206 | 2217.2 | 695.6 | 3.2 |
| **101** | *mmu*-mir-299 | 2012 | 599 | 3.4 |
| **102** | *mmu*-let-7g | 1915.5 | 502.4 | 3.8 |
| **103** | *mmu*-mir-541 | 1907.7 | 303 | 6.3 |
| **104** | *mmu*-let-7i | 1881.3 | 775 | 2.4 |
| **105** | *mmu*-mir-200c | 1758 | 774.4 | 2.3 |
| **106** | *mmu*-mir-1943 | 1716.5 | 74.5 | 23.0 |
| **107** | *mmu*-mir-128-1 | 1678.3 | 739.3 | 2.3 |
| **108** | *mmu*-mir-1930 | 1659.3 | 647.4 | 2.6 |
| **109** | *mmu*-mir-877 | 1640.7 | 911.7 | 1.8 |
| **110** | *mmu*-mir-20b | 1597 | 536.2 | 3.0 |
| **111** | *mmu*-mir-186 | 1564.3 | 135.8 | 11.5 |
| **112** | *mmu*-mir-434 | 1560.5 | 403 | 3.9 |
| **113** | *mmu*-mir-103-2 | 1453.2 | 395 | 3.7 |
| **114** | *mmu*-mir-29b-1 | 1408 | 326 | 4.3 |
| **115** | *mmu*-mir-7-1 | 1398.2 | 582.7 | 2.4 |
| **116** | *mmu-*mir-16-1 | 1240.8 | 465 | 2.7 |
| **117** | *mmu*-mir-133a-1 | 1213.4 | 312.2 | 4.0 |
| **118** | *mmu*-mir-200a | 1144.6 | 315.5 | 3.6 |
| **119** | *mmu-*mir-301 | 1032 | 307.2 | 3.4 |
| **120** | *mmu*-mir-874 | 1005 | 2640 | -2.6## |
| **121** | *mmu*-mir-182 | 983.4 | 205 | 4.8 |
| **122** | *mmu*-mir-219-1 | 930.4 | 339.5 | 2.7 |
| **123** | *mmu*-mir-199b | 911.6 | 261 | 3.5 |
| **124** | *mmu*-mir-411 | 909.3 | 102.4 | 8.9 |
| **125** | *mmu*-let-7a-1 | 883 | 175.2 | 5.0 |
| **126** | *mmu*-mir-329 | 839.3 | 355.8 | 2.4 |
| **127** | *mmu-*mir-1249 | 591.5 | 181.6 | 3.3 |
| **128** | *mmu*-mir-363 | 590 | 136.6 | 4.3 |
| **129** | *mmu*-mir-129-2 | 527 | 176.7 | 3.0 |
| **130** | *mmu*-let-7c-1 | 457.2 | 87.6 | 5.2 |
| **131** | *mmu*-mir-101a | 449 | 65.7 | 6.8 |
| **132** | *mmu*-mir-429 | 401.7 | 82 | 4.9 |
| **133** | *mmu*-mir-715 | 347.7 | 835.6 | -2.4## |
| **134** | *mmu*-mir-195 | 315.3 | 65.7 | 4.8 |
| **135** | *mmu*-mir-743b | 241 | 0 |  |
| **136** | *mmu*-mir-3101 | 234.6 | 0 |  |
| **137** | *mmu*-mir-218-1 | 216.2 | 26 |  |
| **138** | *mmu-*mir-802 | 113.8 | 0 |  |
| **139** | *mmu*-mir-196a-1 | 108.6 | 0 |  |