

**Supplementary File 1:***The list of universal miRNAs and specific miRNAs.*

	<b>Specific miRNA</b>	<b>Universal miRNA</b>
<b>1.</b>	hiv1-miR-H1	hcmv-miR-UL22A-5p
<b>2.</b>	HS_202.1	hsa-let-7a-5p
<b>3.</b>	hsa-let-7b-3p	hsa-let-7b-5p
<b>4.</b>	hsa-let-7d-3p	hsa-let-7c
<b>5.</b>	hsa-let-7d-5p	hsa-let-7e-5p
<b>6.</b>	hsa-let-7f-1-3p	hsa-let-7f-5p
<b>7.</b>	hsa-miR-105-5p	hsa-let-7g-5p
<b>8.</b>	hsa-miR-106-5p	hsa-let-7i-5p
<b>9.</b>	hsa-miR-106a-5p	hsa-miR-100-5p
<b>10.</b>	hsa-miR-10a-3p	hsa-miR-101-3p
<b>11.</b>	hsa-miR-10b-3p	hsa-miR-103a-3p
<b>12.</b>	hsa-miR-1183	hsa-miR-106b-5p
<b>13.</b>	hsa-miR-1202	hsa-miR-107
<b>14.</b>	hsa-miR-1207-5p	hsa-miR-10a-5p
<b>15.</b>	hsa-miR-122-3p	hsa-miR-10b-5p
<b>16.</b>	hsa-miR-1224-5p	hsa-miR-122-5p
<b>17.</b>	hsa-miR-1225-3p	hsa-miR-124-3p
<b>18.</b>	hsa-miR-1225-5p	hsa-miR-1246
<b>19.</b>	hsa-miR-1228-3p	hsa-miR-1254
<b>20.</b>	hsa-miR-1228-5p	hsa-miR-125a-5p
<b>21.</b>	hsa-miR-1231	hsa-miR-125b-5p
<b>22.</b>	hsa-miR-1233-3p	hsa-miR-126-3p
<b>23.</b>	hsa-miR-1234-3p	hsa-miR-1274A
<b>24.</b>	hsa-miR-1237-3p	hsa-miR-129-5p
<b>25.</b>	hsa-miR-1238-3p	hsa-miR-130
<b>26.</b>	hsa-miR-124-5p	hsa-miR-1306-3p
<b>27.</b>	hsa-miR-1250	hsa-miR-130a-3p
<b>28.</b>	hsa-miR-1251	hsa-miR-132-3p
<b>29.</b>	hsa-miR-125a-3p	hsa-miR-133
<b>30.</b>	hsa-miR-1260a	hsa-miR-133a
<b>31.</b>	hsa-miR-126-5p	hsa-miR-133b
<b>32.</b>	hsa-miR-1273a	hsa-miR-134
<b>33.</b>	hsa-miR-1281	hsa-miR-134-5p
<b>34.</b>	hsa-miR-1285-3p	hsa-miR-135a-5p
<b>35.</b>	hsa-miR-128b	hsa-miR-135b-5p
<b>36.</b>	hsa-miR-1291	hsa-miR-136-5p
<b>37.</b>	hsa-miR-1299	hsa-miR-138-5p
<b>38.</b>	hsa-miR-130b-3p	hsa-miR-139-5p

39.	hsa-miR-133a2	hsa-miR-1-3p
40.	hsa-miR-133a-2	hsa-miR-140-3p
41.	hsa-miR-135b-3p	hsa-miR-140-5p
42.	hsa-miR-137	hsa-miR-142-3p
43.	hsa-miR-143-5p	hsa-miR-142-5p
44.	hsa-miR-143-MM2	hsa-miR-143-3p
45.	hsa-miR-146b-3p	hsa-miR-144-3p
46.	hsa-miR-15	hsa-miR-145-5p
47.	hsa-miR-150-3p	hsa-miR-146a-5p
48.	hsa-miR-151a-3p	hsa-miR-146b-5p
49.	hsa-miR-151a-5p	hsa-miR-147a
50.	hsa-miR-152	hsa-miR-148a-3p
51.	hsa-miR-153	hsa-miR-148b-3p
52.	hsa-miR-17-3p	hsa-miR-149-5p
53.	hsa-miR-181a-2-3p	hsa-miR-150-5p
54.	hsa-miR-181a-3p	hsa-miR-155-5p
55.	hsa-miR-181c-3p	hsa-miR-15a-5p
56.	hsa-miR-181c-5p	hsa-miR-15b-5p
57.	hsa-miR-181d-5p	hsa-miR-16-5p
58.	hsa-miR-182-5p	hsa-miR-17-5p
59.	hsa-miR-183-3p	hsa-miR-181a-5p
60.	hsa-miR-18b-5p	hsa-miR-181b-5p
61.	hsa-miR-190a	hsa-miR-184
62.	hsa-miR-190b	hsa-miR-185-5p
63.	hsa-miR-191-3p	hsa-miR-186-5p
64.	hsa-miR-1915-3p	hsa-miR-18a-5p
65.	hsa-miR-191-5p	hsa-miR-18b-3p
66.	hsa-miR-193-5p	hsa-miR-192-5p
67.	hsa-miR-193a-3p	hsa-miR-194-5p
68.	hsa-miR-193a-5p	hsa-miR-195-5p
69.	hsa-miR-193b-3p	hsa-miR-196a2
70.	hsa-miR-193b-5p	hsa-miR-197-3p
71.	hsa-miR-195-3p	hsa-miR-199
72.	hsa-miR-196a-5p	hsa-miR-199a-3p
73.	hsa-miR-196b-5p	hsa-miR-199a-5p
74.	hsa-miR-199b-3p	hsa-miR-199b-5p
75.	hsa-miR-200a-3p	hsa-miR-19a-3p
76.	hsa-miR-200b-5p	hsa-miR-19b-3p
77.	hsa-miR-200c-3p	hsa-miR-204-5p
78.	hsa-miR-202-3p	hsa-miR-205-5p
79.	hsa-miR-208b-3p	hsa-miR-206
80.	hsa-miR-20a-3p	hsa-miR-208a
81.	hsa-miR-20b-5p	hsa-miR-208a-3p

<b>82.</b>	hsa-miR-217	hsa-miR-208b
<b>83.</b>	hsa-miR-219a-5p	hsa-miR-20a-5p
<b>84.</b>	hsa-miR-220	hsa-miR-210
<b>85.</b>	hsa-miR-2222	hsa-miR-211-5p
<b>86.</b>	hsa-miR-222-5p	hsa-miR-212-3p
<b>87.</b>	hsa-miR-223-5p	hsa-miR-21-3p
<b>88.</b>	hsa-miR-22-5p	hsa-miR-214-3p
<b>89.</b>	hsa-miR-23	hsa-miR-21-5p
<b>90.</b>	hsa-miR-23b-5p	hsa-miR-218-5p
<b>91.</b>	hsa-miR-24-2-5p	hsa-miR-221-3p
<b>92.</b>	hsa-miR-2861	hsa-miR-222-3p
<b>93.</b>	hsa-miR-2909	hsa-miR-223-3p
<b>94.</b>	hsa-miR-299-5p	hsa-miR-22-3p
<b>95.</b>	hsa-miR-30	hsa-miR-23a-3p
<b>96.</b>	hsa-miR-300	hsa-miR-23b-3p
<b>97.</b>	hsa-miR-302d-3p	hsa-miR-24-3p
<b>98.</b>	hsa-miR-30b-5p	hsa-miR-25-3p
<b>99.</b>	hsa-miR-30c-2-3p	hsa-miR-26a-5p
<b>100.</b>	hsa-miR-3135b	hsa-miR-26b-5p
<b>101.</b>	hsa-miR-3144-5p	hsa-miR-27a-3p
<b>102.</b>	hsa-miR-31-5p	hsa-miR-27b-3p
<b>103.</b>	hsa-miR-3162-3p	hsa-miR-28-5p
<b>104.</b>	hsa-miR-3171	hsa-miR-29
<b>105.</b>	hsa-miR-3188	hsa-miR-296-5p
<b>106.</b>	hsa-miR-320c	hsa-miR-29a-3p
<b>107.</b>	hsa-miR-320e	hsa-miR-29b-3p
<b>108.</b>	hsa-miR-322	hsa-miR-29c-3p
<b>109.</b>	hsa-miR-32-3p	hsa-miR-30*
<b>110.</b>	hsa-miR-324-3p	hsa-miR-301a-3p
<b>111.</b>	hsa-miR-32-5p	hsa-miR-302a-3p
<b>112.</b>	hsa-miR-338-3p	hsa-miR-302b-3p
<b>113.</b>	hsa-miR-339-3p	hsa-miR-302c-3p
<b>114.</b>	hsa-miR-33b-3p	hsa-miR-30a-5p
<b>115.</b>	hsa-miR-33b-5p	hsa-miR-30c-5p
<b>116.</b>	hsa-miR-340-5p	hsa-miR-30d-5p
<b>117.</b>	hsa-miR-342-3p	hsa-miR-30e-5p
<b>118.</b>	hsa-miR-345-5p	hsa-miR-3130-5p
<b>119.</b>	hsa-miR-34b-3p	hsa-miR-3149
<b>120.</b>	hsa-miR-34c-5p	hsa-miR-320a
<b>121.</b>	hsa-miR-361-5p	hsa-miR-320b
<b>122.</b>	hsa-miR-362-3p	hsa-miR-320d
<b>123.</b>	hsa-miR-367-3p	hsa-miR-323a-3p
<b>124.</b>	hsa-miR-371a-3p	hsa-miR-326

<b>125.</b>	hsa-miR-371a-5p	hsa-miR-328
<b>126.</b>	hsa-miR-372	hsa-miR-331-3p
<b>127.</b>	hsa-miR-373-3p	hsa-miR-335-5p
<b>128.</b>	hsa-miR-376a-3p	hsa-miR-339-5p
<b>129.</b>	hsa-miR-376c-3p	hsa-miR-33a-5p
<b>130.</b>	hsa-miR-377-3p	hsa-miR-340-3p
<b>131.</b>	hsa-miR-380-5p	hsa-miR-34a-5p
<b>132.</b>	hsa-miR-381-3p	hsa-miR-34b-5p
<b>133.</b>	hsa-miR-383	hsa-miR-3615
<b>134.</b>	hsa-miR-3908	hsa-miR-363-3p
<b>135.</b>	hsa-miR-409-3p	hsa-miR-365a-3p
<b>136.</b>	hsa-miR-409-5p	hsa-miR-369-3p
<b>137.</b>	hsa-miR-411-5p	hsa-miR-370
<b>138.</b>	hsa-miR-421	hsa-miR-375
<b>139.</b>	hsa-miR-422	hsa-miR-378a-3p
<b>140.</b>	hsa-miR-423-3p	hsa-miR-378a-5p
<b>141.</b>	hsa-miR-425-3p	hsa-miR-382-5p
<b>142.</b>	hsa-miR-4254	hsa-miR-422a
<b>143.</b>	hsa-miR-425-5p	hsa-miR-423-5p
<b>144.</b>	hsa-miR-4306	hsa-miR-424-5p
<b>145.</b>	hsa-miR-4429	hsa-miR-429
<b>146.</b>	hsa-miR-4478	hsa-miR-432-5p
<b>147.</b>	hsa-miR-4491	hsa-miR-433
<b>148.</b>	hsa-miR-452-5p	hsa-miR-451a
<b>149.</b>	hsa-miR-455-3p	hsa-miR-454-3p
<b>150.</b>	hsa-miR-455-5p	hsa-miR-483-3p
<b>151.</b>	hsa-miR-4643	hsa-miR-483-5p
<b>152.</b>	hsa-miR-485-3p	hsa-miR-486-5p
<b>153.</b>	hsa-miR-486-3p	hsa-miR-487b
<b>154.</b>	hsa-miR-490-3p	hsa-miR-489
<b>155.</b>	hsa-miR-491-3p	hsa-miR-493-5p
<b>156.</b>	hsa-miR-491-5p	hsa-miR-494
<b>157.</b>	hsa-miR-492	hsa-miR-495-3p
<b>158.</b>	hsa-miR-497-3p	hsa-miR-497-5p
<b>159.</b>	hsa-miR-498	hsa-miR-499a-5p
<b>160.</b>	hsa-miR-499a-3p	hsa-miR-500a-3p
<b>161.</b>	hsa-miR-503-5p	hsa-miR-519e-5p
<b>162.</b>	hsa-miR-507	hsa-miR-523-3p
<b>163.</b>	hsa-miR-508-5p	hsa-miR-532-5p
<b>164.</b>	hsa-miR-512-5p	hsa-miR-622
<b>165.</b>	hsa-miR-515-5p	hsa-miR-625-5p
<b>166.</b>	hsa-miR-516a-5p	hsa-miR-636
<b>167.</b>	hsa-miR-518f-3p	hsa-miR-720

<b>168.</b>	hsa-miR-520b	hsa-miR-770-5p
<b>169.</b>	hsa-miR-520c-3p	hsa-miR-877-3p
<b>170.</b>	hsa-miR-520d-3p	hsa-miR-92a-3p
<b>171.</b>	hsa-miR-520d-5p	hsa-miR-9-5p
<b>172.</b>	hsa-miR-520h	hsa-miR-96-5p
<b>173.</b>	hsa-miR-524-5p	hsa-miR-98-5p
<b>174.</b>	hsa-miR-525-5p	hsa-miR-99b-5p
<b>175.</b>	hsa-miR-526b-5p	hsv1-miR-H2-3p
<b>176.</b>	hsa-miR-542-3p	
<b>177.</b>	hsa-miR-544a	
<b>178.</b>	hsa-miR-545-5p	
<b>179.</b>	hsa-miR-548c-3p	
<b>180.</b>	hsa-miR-550a-3p	
<b>181.</b>	hsa-miR-5571-5p	
<b>182.</b>	hsa-miR-558	
<b>183.</b>	hsa-miR-563	
<b>184.</b>	hsa-miR-566	
<b>185.</b>	hsa-miR-574-3p	
<b>186.</b>	hsa-miR-574-5p	
<b>187.</b>	hsa-miR-575	
<b>188.</b>	hsa-miR-59	
<b>189.</b>	hsa-miR-590-5p	
<b>190.</b>	hsa-miR-598	
<b>191.</b>	hsa-miR-602	
<b>192.</b>	hsa-miR-605	
<b>193.</b>	hsa-miR-618	
<b>194.</b>	hsa-miR-624-5p	
<b>195.</b>	hsa-miR-631	
<b>196.</b>	hsa-miR-638	
<b>197.</b>	hsa-miR-639	
<b>198.</b>	hsa-miR-646	
<b>199.</b>	hsa-miR-650	
<b>200.</b>	hsa-miR-652-3p	
<b>201.</b>	hsa-miR-656	
<b>202.</b>	hsa-miR-657	
<b>203.</b>	hsa-miR-660-3p	
<b>204.</b>	hsa-miR-660-5p	
<b>205.</b>	hsa-miR-663a	
<b>206.</b>	hsa-miR-663b	
<b>207.</b>	hsa-miR-664a-3p	
<b>208.</b>	hsa-miR-665	
<b>209.</b>	hsa-miR-671-5p	
<b>210.</b>	hsa-miR-675-5p	

211.	hsa-miR-708-5p	
212.	hsa-miR-7-1-3p	
213.	hsa-miR-758-3p	
214.	hsa-miR-765	
215.	hsa-miR-802	
216.	hsa-miR-873-5p	
217.	hsa-miR-874-3p	
218.	hsa-miR-875-3p	
219.	hsa-miR-886-3p	
220.	hsa-miR-892a	
221.	hsa-miR-892b	
222.	hsa-miR-92b-3p	
223.	hsa-miR-93-3p	
224.	hsa-miR-93-5p	
225.	hsa-miR-939-5p	
226.	hsa-miR-940	
227.	hsa-miR-99a-5p	
228.	mmu_let_7d	
229.	mmu_miR_129_3p	
230.	mmu_miR_17_3p	
231.	mmu_miR_215	
232.	mmu_miR_292_3p	
233.	mmu_miR_294	
234.	mmu_miR_295	
235.	mmu_miR_297	
236.	mmu_miR_300	
237.	mmu_miR_322	
238.	mmu_miR_330	
239.	mmu_miR_341	
240.	mmu-miR-192	
241.	mmu-miR-325	
242.	N1	
243.	N2	
244.	pRe-miR-138	
245.	pRe-miR-146a	
246.	pre-miR-27a	
247.	pRe-miR-499	
248.	Rno_miR_297	
249.	Rno_miR_333	
250.	Rno_miR_343	
251.	Rno-miR-352	