

Supplementary Table S3: MiRNAs in whole blood

a) whole blood pool of healthy volunteers

List of miRNAs:

Present in healthy whole blood only

hsa-miR-218-5p
hsa-miR-544b

Absent in healthy whole blood only

hsa-miR-877-5p
hsa-miR-1224-5p
hsa-miR-1910-5p
hsa-miR-1471
hsa-miR-659-3p
hsa-miR-885-5p
hsa-miR-34b-3p
hsa-miR-1322
hsa-miR-487a-3p
hsa-miR-650
hsa-miR-27a-5p
hsa-miR-3925-5p
hsa-miR-4265
hsa-miR-4261
hsa-miR-125a-3p
hsa-miR-379-5p
hsa-miR-412-3p
hsa-miR-554
hsa-miR-4290
hsa-miR-2355-3p
hsa-miR-30c-2-3p
hsa-miR-1207-3p
hsa-miR-593-3p
hsa-miR-668-3p
hsa-miR-3138
hsa-miR-645
hsa-miR-3685
hsa-miR-3149
hsa-miR-466
hsa-miR-593-5p
hsa-miR-3679-5p
hsa-miR-186-3p
hsa-miR-3617-5p
hsa-miR-3675-3p

higher in healthy whole blood*

hsa-miR-218-5p
hsa-miR-1179
hsa-miR-651-5p

hsa-miR-100-5p
hsa-miR-1255a
hsa-miR-10a-5p
hsa-miR-1244
hsa-miR-125b-5p
hsa-miR-4325
hsa-miR-377-5p
hsa-miR-376a-5p
hsa-miR-26a-1-3p
hsa-miR-10b-5p
hsa-miR-499a-5p
hsa-miR-106a-3p
hsa-miR-140-5p
hsa-miR-935

lower in healthy whole blood*

hsa-miR-138-1-3p
hsa-miR-1228-5p
hsa-miR-4257
hsa-miR-3194-5p
hsa-miR-3154
hsa-miR-490-5p
hsa-miR-202-3p
hsa-miR-1914-3p
hsa-miR-3137
hsa-miR-3147
hsa-miR-676-5p
hsa-miR-1539
hsa-miR-1295a
hsa-miR-4258
hsa-miR-3144-5p
hsa-miR-604
hsa-miR-664a-5p
hsa-miR-1248

*: compared to patient whole blood pools

b) whole blood pool of stage I+II melanoma patients

List of miRNAs:

present in stage I + II melanoma whole blood only

hsa-miR-524-3p
hsa-miR-3652
hsa-miR-3675-5p

absent in stage I + II melanoma whole blood only

hsa-miR-139-3p
hsa-miR-193b-5p
hsa-miR-548o-3p
hsa-miR-1273d
hsa-miR-99b-3p
hsa-miR-4263
hsa-miR-1250-5p
hsa-miR-582-5p
hsa-miR-1289
hsa-miR-646
hsa-miR-920
hsa-miR-4253
hsa-miR-133a-3p
hsa-miR-4260
hsa-miR-298
hsa-miR-608
hsa-miR-506-3p
hsa-miR-2355-5p

higher in stage I + II melanoma whole blood only

hsa-miR-155-5p
hsa-miR-3611
hsa-miR-3685
hsa-miR-3607-5p
hsa-miR-3653
hsa-miR-590-3p
hsa-miR-155-3p
hsa-miR-545-5p

lower in stage I + II melanoma whole blood only

hsa-miR-1537-3p
hsa-miR-618
hsa-miR-619-3p
hsa-miR-148a-5p
hsa-miR-3126-5p
hsa-miR-2115-5p
hsa-miR-199a-5p
hsa-let-7i-3p

hsa-miR-326
hsa-miR-218-2-3p
hsa-miR-133b
hsa-miR-194-3p
hsa-miR-486-3p
hsa-miR-147b
hsa-miR-224-3p
hsa-miR-1256
hsa-miR-1912
hsa-miR-556-3p
hsa-miR-101-5p
hsa-miR-187-3p
hsa-let-7e-3p
hsa-miR-378a-5p
hsa-miR-770-5p
hsa-miR-33a-5p
hsa-miR-96-5p
hsa-miR-4303
hsa-miR-3190-3p
hsa-miR-4317
hsa-miR-4302
hsa-miR-4297
hsa-miR-3116
hsa-miR-1976
hsa-miR-103a-3p
hsa-miR-34c-3p
hsa-miR-493-3p
hsa-miR-142-5p
hsa-miR-1251-5p
hsa-let-7a-3p
hsa-miR-146b-3p
hsa-miR-338-3p
hsa-miR-3688-3p
hsa-miR-188-3p
hsa-miR-323b-5p

c) whole blood pool of stage III+IV melanoma patients

List of miRNAs:

present in stage III + IV melanoma whole blood only

hsa-miR-216b-5p
hsa-miR-518f-5p
hsa-miR-1282
hsa-miR-612
hsa-miR-519d-3p
hsa-miR-3689e
hsa-miR-649
hsa-miR-1269a
hsa-miR-302c-3p
hsa-miR-3139
hsa-miR-1205
hsa-miR-3674
hsa-miR-3126-3p
hsa-miR-515-3p
hsa-miR-4251
hsa-miR-516a-5p
hsa-miR-302a-3p
hsa-miR-136-5p
hsa-miR-4276

absent in stage III + IV melanoma whole blood only

hsa-miR-891a-5p
hsa-miR-581
hsa-miR-936
hsa-miR-202-5p
hsa-miR-219a-2-3p

lower in stage III + IV melanoma whole blood only

hsa-miR-135a-5p
hsa-miR-609
hsa-miR-597-5p
hsa-miR-20a-3p
hsa-miR-454-3p
hsa-miR-598-3p
hsa-miR-340-3p
hsa-miR-196b-5p
hsa-miR-98-5p
hsa-miR-135b-5p
hsa-miR-196a-5p
hsa-miR-9-5p
hsa-miR-374b-3p
hsa-miR-374a-3p
hsa-miR-3605-5p
hsa-miR-590-3p
hsa-miR-190a-5p
hsa-miR-99a-5p

hsa-miR-17-5p
hsa-miR-655-3p
hsa-let-7f-5p
hsa-miR-548v
hsa-miR-3128
hsa-miR-148b-3p

higher in stage III + IV melanoma whole blood only

hsa-miR-4316
hsa-miR-127-5p
hsa-miR-524-5p
hsa-miR-1303
hsa-miR-623
hsa-miR-298
hsa-miR-412-3p
hsa-miR-1207-5p
hsa-miR-601
hsa-miR-129-5p
hsa-miR-432-5p
hsa-miR-124-3p
hsa-miR-1288-3p
hsa-miR-200a-5p
hsa-miR-591
hsa-miR-1207-3p
hsa-miR-593-3p
hsa-miR-593-5p
hsa-miR-566
hsa-miR-3918
hsa-miR-383-5p
hsa-miR-708-5p
hsa-miR-297
hsa-miR-575
hsa-miR-4263
hsa-miR-4253
hsa-miR-1182
hsa-miR-937-3p
hsa-miR-622
hsa-miR-300
hsa-miR-3679-5p
hsa-miR-346
hsa-miR-3155b
hsa-miR-133a-3p
hsa-miR-3180-3p
hsa-miR-200b-5p
hsa-miR-3162-5p
hsa-miR-3184-5p
hsa-miR-662
hsa-miR-888-5p
hsa-miR-1909-5p
hsa-miR-3654

hsa-miR-99a-3p
hsa-miR-1267
hsa-miR-373-3p
hsa-miR-634
hsa-miR-4319
hsa-miR-99b-3p
hsa-miR-3125
hsa-miR-216a-5p
hsa-miR-1296-5p
hsa-miR-4252
hsa-miR-600
hsa-miR-431-3p
hsa-miR-4279
hsa-miR-631
hsa-miR-518a-3p
hsa-miR-648
hsa-miR-675-5p
hsa-miR-122-5p
hsa-miR-616-3p
hsa-miR-3141
hsa-miR-1257
hsa-miR-4260
hsa-miR-504-5p
hsa-miR-596
hsa-miR-632
hsa-miR-3201
hsa-miR-506-3p
hsa-miR-33b-5p
hsa-miR-483-5p
hsa-miR-3934-5p
hsa-miR-765
hsa-miR-3907
hsa-miR-639
hsa-miR-338-5p
hsa-miR-3714
hsa-miR-1231
hsa-miR-4304
hsa-miR-4267
hsa-miR-138-5p
hsa-miR-564
hsa-miR-218-1-3p
hsa-miR-449b-5p
hsa-miR-3149
hsa-miR-509-3p
hsa-miR-92b-5p
hsa-miR-595
hsa-miR-4274
hsa-miR-3156-5p
hsa-miR-2113
hsa-miR-3121-3p

hsa-miR-1178-3p
hsa-miR-4294
hsa-miR-331-5p
hsa-miR-3161
hsa-miR-615-3p
hsa-miR-125b-2-3p
hsa-miR-1289
hsa-miR-1184
hsa-miR-608
hsa-let-7b-3p
hsa-miR-330-3p
hsa-miR-21-3p
hsa-miR-185-3p
hsa-miR-143-5p
hsa-miR-1264
hsa-miR-4328
hsa-miR-520d-3p
hsa-miR-302d-3p
hsa-miR-3186-3p
hsa-miR-1306-3p
hsa-miR-3917
hsa-miR-200c-5p
hsa-miR-3682-3p
hsa-miR-3151-5p
hsa-miR-410-3p
hsa-miR-191-3p
hsa-miR-3923
hsa-miR-339-5p
hsa-miR-1280
hsa-miR-613
hsa-miR-3153
hsa-miR-466
hsa-miR-16-2-3p
hsa-miR-646
hsa-miR-640
hsa-miR-1281
hsa-miR-887-3p
hsa-miR-18b-3p
hsa-miR-520g-3p
hsa-miR-373-5p
hsa-miR-1266-5p
hsa-miR-320d
hsa-miR-1276
hsa-miR-3177-3p
hsa-miR-517b-3p
hsa-miR-370-3p
hsa-miR-22-3p
hsa-miR-3692-3p
hsa-miR-3618
hsa-miR-296-3p

hsa-miR-1291
hsa-miR-2115-5p
hsa-miR-1208
hsa-miR-1237-3p
hsa-miR-149-5p
hsa-miR-142-5p
hsa-miR-219a-5p
hsa-miR-509-5p
hsa-miR-132-5p
hsa-miR-187-5p
hsa-miR-3191-3p
hsa-miR-34c-3p
hsa-miR-641
hsa-miR-3661
hsa-miR-449b-3p
hsa-miR-1258
hsa-miR-2116-3p
hsa-miR-135b-3p
hsa-miR-567
hsa-miR-23a-5p
hsa-miR-619-3p
hsa-miR-885-3p
hsa-miR-302d-5p
hsa-miR-675-3p
hsa-miR-1260a
hsa-miR-488-5p
hsa-miR-16-1-3p
hsa-miR-4306
hsa-miR-544a
hsa-miR-223-5p
hsa-miR-550b-3p

Differentially expressed miRNAs in whole blood pools of melanoma patients (either stage I+II or stage III+IV) compared to a healthy whole blood pool. Each pool consisted of RNAs of 8 individuals. Fold changes were calculated using the web-based software package for the qPCR array system (<http://pcrdataanalysis.sabiosciences.com/mirna/arrayanalysis.php>). Data were normalized using the 6 reference genes present on the whole miRNome arrays (SNORD61, SNORD68, SNORD72, SNORD95, SNORD96A and RNU6-2).