

Methylation deregulation of miRNA promoters identifies miR124-2 as a survival biomarker in Breast Cancer in very young women. Sara S. Oltra1, Maria Peña-Chilet1, Victoria Vidal-Tomas 1, Kirsty Flower2, María Teresa Martinez1, Elisa Alonso3, Octavio Burgos3, Ana Lluh1, James M. Flanagan2, and Gloria Ribas1*

Supplementary Table 4: Table includes information about miRNAs and probes regulating them.

miRNA	Probe number	Regulatory CpG Probes
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MIR548H3	54	cg13370209, cg27033302, cg21836699, cg27663716, cg08174890, cg25206536, cg04203702, cg06060539, cg25960403, cg00352325, cg19628270, cg16683394, cg21129041, cg06316739, cg00749969, cg10603296, cg07711036, cg22508905, cg14880874, cg04185799, cg13716848, cg07162914, cg25734769, cg27343278, cg12112338, cg02798211, cg08450323, cg17949025, cg18363417, cg08515869, cg18253971, cg24399872, cg18288303, cg01962062, cg09067234, cg06871184, cg12956598, cg19852264, cg05648345, cg02446225, cg19485268, cg20727147, cg091117182, cg018231201, cg274425801, cg195213841, cg009325281, cg023983711, cg157884511, cg119985792, cg144495241, cg160552941, cg025827811, cg031216591

MIR99AHG	51	cg27236331, cg14554415, cg09886641, cg07775813, cg13757194, cg26820811, cg09476148, cg25991730, cg15985873, cg03162973, cg08500698, cg04880611, cg14251844, cg22169791, cg15477165, cg05387996, cg09253111, cg20823973, cg12734206, cg13848961, cg07446205, cg18819275, cg15197583, cg25345561, cg15040157, cg08148660, cg20532999, cg17073392, cg09453870, cg27118929, cg02670903, cg19461383, cg22952917, cg06680906, cg12704993, cg11400650, cg25173269, cg04525074, cg20577165, cg11155172, cg13323256, cg00187099, cg22540575, cg17429682, cg20347647, cg05093741, cg04198144, cg09727046, cg238184011, cg219638541, cg181497942
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MIR1273E	44	cg18818801, cg23828146, cg14441312, cg04876417, cg05619215, cg25264507, cg25249290, cg26158447, cg21517258, cg09702859, cg18391344, cg17360849, cg11661940, cg23236366, cg10539122, cg10987004, cg17369088, cg05141870, cg11257193, cg18949641, cg01373258, cg22700328, cg21915970, cg23892547, cg20286236, cg25571269, cg22894896, cg22533683, cg24984384, cg07953150, cg139177751, cg210865411, cg174795981, cg247200691, cg028054101, cg008149971, cg165206261, cg127876221, cg237873641, cg270066661, cg217436981, cg025591011, cg134898601, cg259229341
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MIR548O2	38	cg13727277, cg17581870, cg09174653, cg02022181, cg06242730, cg12308528, cg12338935, cg23184739, cg13063348, cg11807318, cg09196059, cg16011164, cg01942816, cg22108567, cg25343388, cg09286367, cg17419731, cg01024247, cg00966405, cg04155485, cg03040622, cg02355304, cg20511815, cg17149568, cg15802249, cg26792730, cg0240971, cg1777998, cg07184013, cg25771013, cg03853208, cg16291657, cg09596116, cg14508213, cg20041257, cg052052991, cg145887381
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MIR548A2	31	cg25572910, cg03956640, cg15658577, cg21749200, cg16419334, cg14284588, cg22050893, cg03941238, cg16298238, cg08735147, cg24230840, cg06634637, cg24816622, cg05976412, cg23371940, cg14487926, cg23726145, cg23013151, cg07101541, cg27047829, cg07871369, cg230782281, cg096039191, cg045226251, cg253661411, cg01979460, cg19582000, cg25760888, cg05835950, cg15974831, cg19698987, cg00637980, cg19016265, cg12965535, cg13237947, cg25732522, cg10271981, cg05370860, cg25212776, cg01522721, cg12004065, cg12220843, cg00876541, cg19324704, cg03611912, cg050993851, cg193442771, cg241785141, cg069326911, cg22068580, cg08246447, cg13869899, cg14977365, cg25188071, cg21983491, cg03030267, cg228319781, cg022584441, cg270838911, cg093494091, cg040248222, cg227884852, cg257702052, cg127785803, cg130370813, cg021630613, cg206999603, cg207983944, cg008613164, cg027057524, cg105295991, cg045786311, cg04028604, cg25250241, cg08340885, cg24965800, cg01314576, cg07277490, cg03700990, cg24489774, cg08096166, cg05574878, cg11163995, cg18784552, cg08981801, cg119265251, cg195390481, cg084130601, cg259709291, cg005654121, cg248554981, cg006075211, cg197699821, cg070075061, cg172970711, cg234338891, cg127498631, cg01243312, cg27339255, cg00213281, cg05826944, cg07459181, cg18900544, cg22084004, cg17307471, cg08631141, cg06064461, cg19447671, cg02622866, cg26965059, cg00829688, cg01943478, cg19758054, cg08643007, cg14931631, cg17504336, cg04276626, cg02515217, cg15759721, cg07181702, cg002224551, cg216047421, cg21604660, cg26487966, cg18654971, cg15201847, cg14079131, cg07707227, cg10928257, cg21905516, cg21240555, cg03638907, cg09942712, cg04251661, cg11833735, cg23035142, cg20857794, cg10576384, cg13237382, cg05367489, cg15411403, cg17588371, cg06616408, cg05246994, cg04877466, cg23551527, cg17170590, cg22581536, cg13214067, cg00190642, cg06885779, cg10871818, cg22952287, cg07779828, cg03090449, cg01404374, cg24602572, cg12273094, cg08145178, cg02746718, cg10984692, cg087372961, cg026503171, cg020656371, cg049270041, cg156992671, cg202779051, cg192678611, cg033871351, cg010528791, cg186273601, cg150285141, cg066605301, cg18372847, cg08469305, cg07191657, cg21767615, cg21348752, cg27244585, cg03611732, cg25726414, cg05088677, cg06760536, cg12362662, cg16908824, cg00182416, cg05748492, cg23073467, cg17365367, cg22462000, cg25579656, cg268897641, cg219038901, cg056933951, cg006878051, cg044270871, cg200178561, cg008738781
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MIR155HG	28	cg20009044, cg17446457, cg19312305, cg12907477, cg05249155, cg00481280, cg00287319, cg03217254, cg20442503, cg09703947, cg03413810, cg00969570, cg24774002, cg164470121, cg183115371, cg159128001, cg262595371, cg052507681, cg010241681, cg050273361, cg089647801, cg256445561, cg248845191, cg083622101, cg12959622, cg24448231, cg04990372, cg18598146, cg16704590, cg01644741, cg05093113, cg21315017, cg09082617, cg09369136, cg06795741, cg097823441, cg118692692, cg204747882, cg036639552, cg051389522, cg117215542, cg225428592, cg149061102, cg181633642, cg228238212, cg111348012, cg100068872, cg24283288, cg27028514, cg06494105, cg23953773, cg09402652, cg22771960, cg18355533, cg09590897, cg18331165, cg14520588, cg06455385, cg066101191, cg266652291, cg175803261, cg169557801, cg077091811, cg130256941, cg081571181, cg014055271, cg062764391, cg218565081, cg060147071
MIR548A4	27	cg13348640, cg11948456, cg27078812, cg20885078, cg01656221, cg16297938, cg06151464, cg12885549, cg01105521, cg13667965, cg04697953, cg27480241, cg00460704, cg15580874, cg14386946, cg074574021, cg142537641, cg232384381, cg175636221, cg005803541, cg131513611, cg190602271, cg00749454, cg14885826, cg12688336, cg24695115, cg05421282, cg02710210, cg09896650, cg02591892, cg09739816, cg05562282, cg16673791, cg224613901, cg067420771, cg179371015, cg056506801, cg256739481, cg119981411, cg091775671, cg098991731, cg121425011, cg158219391, cg164819611
MIR548A1	25	cg08633665, cg23063070, cg01084257, cg01621145, cg04945860, cg16934485, cg05076730, cg26180383, cg02243522, cg01940297, cg07084941, cg11792826, cg24465482, cg00444740, cg07018107, cg18290852, cg13719966, cg05425602, cg20831094, cg01417339, cg25964744
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MIR129-2	24	cg21184495, cg14511007, cg03576592, cg08943214, cg03810621, cg26883949, cg06769231, cg02389634, cg01165909, cg03184776, cg226881371, cg142372971, cg095850041, cg250354741, cg239361061, cg098603811, cg145936501, cg168798571, cg249806861, cg068151271, cg137612421
MIR196B	24	cg03499052, cg02628902, cg11532267, cg05616278, cg08055924, cg00818473, cg10387769, cg25943096, cg03084103, cg02699698, cg16246356, cg10807961, cg10870267, cg14201734, cg06923767, cg24778568, cg15350946, cg00948209, cg12386065, cg08453238, cg02151939
MIR377	23	cg13363808, cg12232996, cg26576274, cg23289226, cg16557125, cg21232937, cg00057966, cg00176888, cg26112797, cg10530767, cg01951274, cg19466818, cg14890660, cg223069281, cg002154321, cg002186201, cg007052801, cg216155831, cg143582821, cg043484191, cg022576741
MIR2052HG	22	cg02705752, cg25770702, cg22831978, cg02258444, cg27083891, cg09349409, cg119855621, cg084607101, cg053220901, cg207983941, cg008613161, cg127785801, cg026752601, cg130370811, cg271630611, cg206999601, cg040248221, cg227884851, cg082244772, cg132821804
MIR425	22	cg07152460, cg13475388, cg13100764, cg24636220, cg05623655, cg11229063, cg09782344, cg15206656, cg20281075, cg03151445, cg10886901, cg01512638, cg02903601, cg039215991, cg143559412, cg028836663, cg196312642, cg261169692, cg151719622, cg211765972
MIR596	22	cg15252999, cg11242972, cg15095482, cg07374160, cg17864737, cg07398555, cg24791843, cg20848842, cg05351998, cg00169586, cg148808741, cg041857991, cg137168481, cg071629141, cg257347691, cg273432781, cg121123381, cg027982111, cg084503231, cg179490251
MIR1908	21	cg05693395, cg00687805, cg04427087, cg20017856, cg00873878, cg17651653, cg25408758, cg21449177, cg22451117, cg27503740, cg11597887, cg05709325, cg12070337, cg10103520, cg08134221, cg13676849, cg08274139, cg10195619, cg19500057, cg06490299
MIR202	21	cg12804227, cg16907400, cg16964413, cg14933412, cg25109528, cg26764880, cg088270751, cg157005201, cg142097641, cg049597161, cg264231851, cg048282671, cg182695951, cg083226971, cg095374481, cg133745281, cg093884141, cg246168281, cg034468761, cg081005351
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MIR3163	21	cg12778580, cg02675260, cg13037081, cg27163061, cg20699960, cg04024822, cg22788485, cg257707021, cg271733222, cg202950713, cg239924493, cg119855623, cg132821803, cg084607103, cg053220903, cg082244773, cg207983943, cg008613163, cg027057523
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MIR485	17	cg12517394, cg09677638, cg15598662, cg00786201, cg226624821, cg038056841, cg254012841, cg147256411, cg037350131, cg253268961, cg248707741, cg169165222, cg187992662, cg117301003, cg031142443, cg075836513, cg088733533
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MIR655	15	cg01472578, cg04542869, cg05090896, cg17724336, cg06075250, cg25775708, cg161507982, cg020053362, cg227047752, cg110059981, cg006479171, cg229710281,
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MIR1224	11	cg00841784, cg24956366, cg25459931, cg12309867, cg14485651, cg00222455, cg21604742, cg00400494, cg05288397, cg15168942, cg13423180
MIR1234	11	cg03189678, cg05893251, cg09705232, cg13957432, cg15778867, cg15968925, cg19535507, cg23689404, cg12172080, cg26759943, cg13330760
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MIR1469	11	cg11122256, cg11313099, cg07617764, cg01190168, cg15851964, cg17169243, cg27606822, cg09263904, cg02115865, cg23911696, cg01149144
MIR1470	11	cg12881150, cg14144314, cg17869516, cg04585937, cg21882238, cg05348084, cg02174748, cg10137253, cg14427563, cg063925565, cg10079327
MIR154	11	cg03921599, cg17721331, cg05969522, cg071524601, cg134753881, cg131007641, cg246362201, cg056236551, cg112290631, cg230291592, cg194772052
MIR181A2HG	11	cg18547866, cg09946681, cg14344583, cg13673375, cg13075119, cg08111064, cg18053783, cg10506249, cg14158769, cg118573101, cg203329071
MIR184	11	cg21663427, cg26075664, cg15331656, cg07850515, cg00466209, cg04354459, cg012079161, cg231217851, cg007223201, cg049477641, cg013971411
MIR194-2	11	cg16434940, cg19119464, cg09553160, cg08642528, cg263738121, cg006116141, cg092353081, cg040185331, cg021405591, cg241372161, cg232669431
MIR2277	11	cg05396688, cg24828422, cg04371579, cg17983017, cg11268077, cg10281361, cg04626525, cg07552538, cg17241937, cg04114269, cg13219301
MIR300	11	cg08304190, cg14345012, cg149446471, cg019394771, cg155565022, cg144163712, cg015146683, cg116381813, cg043557913, cg021747481, cg101372531
MIR338	11	cg12942606, cg21092373, cg12206359, cg08766508, cg10623685, cg13669476, cg04415610, cg17674402, cg16725262, cg19353642, cg194092541
MIR409	11	cg13282180, cg20798394, cg00861316, cg271733221, cg082244771, cg027057521, cg202950712, cg239924492, cg119855622, cg084607102, cg053220902
MIR411	11	cg21167159, cg16153294, cg15317267, cg06354774, cg224248921, cg054482311, cg073429011, cg117534991, cg132102391, cg179855331, cg026917451
MIR431	11	cg00287908, cg20361828, cg11476463, cg09683457, cg23400579, cg11164162, cg19348206, cg0593550, cg01666793, cg262555601, cg019711301
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MIR589	11	cg09538777, cg05670935, cg03843023, cg21179425, cg05878519, cg01902584, cg10783197, cg20548068, cg15071233, cg09503809, cg06321636
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MIR717	11	cg07459895, cg18576861, cg13224090, cg06292259, cg10281361, cg14626525, cg00265277, cg21512799, cg11198094, cg06282561, cg12326440
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MIR101-1	10	cg08557347, cg15556732, cg05150619, cg06448699, cg197842441, cg137497771, cg166826931, cg182223711, cg168204111, cg148715641
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MIR1180	10	cg01719718, cg03565833, cg01929699, cg16621560, cg25874148, cg00269670, cg01409434, cg14247325, cg21504345, cg05757376
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MIR1303	10	cg23176214, cg26068527, cg24085713, cg13466409, cg11138142, cg239156591, cg062012871, cg111278661, cg201798631, cg013055371
MIR1323	10	cg00500400, cg04452260, cg09331127, cg02046695, cg24349919, cg206436751, cg173922011, cg241280451, cg261109071, cg0626252441
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MIR548AO	10	cg16808912, cg04411201, cg26273312, cg05878887, cg06077670, cg06533586, cg00991994, cg15518046, cg06414998, cg225815361
MIR563	10	cg13132363, cg19273756, cg14032089, cg06471491, cg27023597, cg205127132, cg126986622, cg063684012, cg230236042, cg228212202
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MIR320A	9	cg20090508, cg27167181, cg09655487, cg17416790, cg03543120, cg07125256, cg04317047, cg16684117, cg21242144
MIR338	9	cg12367585, cg271160691, cg117015501, cg053659421, cg109216241, cg104600861, cg141330421, cg025233501, cg055802401
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MIR346	9	cg16657582, cg02235235, cg17404487, cg17836499, cg08382292, cg09801901, cg17367733, cg18672880, cg27369048
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MIR382	9	cg11320187, cg102483021, cg075836511, cg180097982, cg117301002, cg031142442, cg088733532, cg169165223, cg075217891
MIR4658	9	cg12093220, cg15939539, cg11175091, cg03204787, cg14640220, cg19426761, cg23666362, cg23740016, cg11976164
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MIR145	8	cg09825167, cg21090893, cg22484330, cg04394119, cg13090484, cg16794867, cg01965463, cg26827139
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MIR195	8	cg24757752, cg26995690, cg02580944, cg003397261, cg026361621, cg086133501, cg203714371, cg112357871
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MIR5188	8	cg22189216, cg09449167, cg11499685, cg16423770, cg05273161, cg11000817, cg00291004, cg03014004
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MIR647	8	cg17286244, cg23698666, cg24750854, cg219385061, cg133303631, cg129457691, cg030668231, cg273570491
MIR6516	8	cg19491776, cg20126937, cg00561206, cg17424516, cg19081329, cg21790677, cg01230180, cg02114711
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MIR1302-10	1	cg155436211
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MIR4444-2	1	cg276288571
MIR4458	1	cg241237241
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