

Table SV. Differentially expressed miRNAs in the dataset from The Cancer Genome Atlas database.

miRNA	LogFC	P-value	FDR
hsa-mir-29c	-4.1112	$3.13087100514258 \times 10^{-48}$	$1.31183495115474 \times 10^{-45}$
hsa-mir-203a	-5.46163	$2.4251582719278 \times 10^{-31}$	$5.08070657968874 \times 10^{-29}$
hsa-mir-30a	-3.94423	$2.60485522075904 \times 10^{-30}$	$3.63811445832679 \times 10^{-28}$
hsa-mir-22	-2.92518	$3.70917739392234 \times 10^{-28}$	$3.88536332013365 \times 10^{-26}$
hsa-mir-29a	-3.89917	$1.71455559165327 \times 10^{-26}$	$1.43679758580544 \times 10^{-24}$
hsa-mir-23a	-2.31501	$7.6330536926514 \times 10^{-25}$	$5.33041582870156 \times 10^{-23}$
hsa-mir-29b-1	-3.24091	$5.92423485133707 \times 10^{-23}$	$3.54607771815747 \times 10^{-21}$
hsa-mir-30b	-2.46242	$5.28161479011762 \times 10^{-20}$	$2.7662457463241 \times 10^{-18}$
hsa-mir-29b-2	-2.76114	$4.85505127012886 \times 10^{-19}$	$2.07156666096018 \times 10^{-17}$
hsa-mir-27a	-2.36239	$4.94407317651594 \times 10^{-19}$	$2.07156666096018 \times 10^{-17}$
hsa-mir-190a	-2.36971	$1.37814870169271 \times 10^{-18}$	$5.24949369099313 \times 10^{-17}$
hsa-mir-139	-2.64116	$8.15305806923479 \times 10^{-18}$	$2.84677610917448 \times 10^{-16}$
hsa-mir-514a-2	-3.69876	$2.0519109477018 \times 10^{-15}$	$6.61346682374658 \times 10^{-14}$
hsa-mir-514a-3	-3.65261	$5.5505909187581 \times 10^{-14}$	$1.66121256782832 \times 10^{-12}$
hsa-mir-514a-1	-3.74726	$1.00090029879075 \times 10^{-13}$	$2.7958481679555 \times 10^{-12}$
hsa-mir-483	6.3476	$2.97311791054679 \times 10^{-13}$	$7.7858525282444 \times 10^{-12}$
hsa-mir-508	-3.42263	$3.59517255621879 \times 10^{-13}$	$8.86104294738632 \times 10^{-12}$
hsa-mir-21	-2.38505	$1.26403850088053 \times 10^{-12}$	$2.94240073260523 \times 10^{-11}$
hsa-mir-130b	4.89993	$1.42693467265216 \times 10^{-12}$	$3.14676646232239 \times 10^{-11}$
hsa-mir-193a	-2.17015	$6.63788036656515 \times 10^{-12}$	$1.3906359367954 \times 10^{-10}$
hsa-mir-194-1	-1.96559	$1.25547303454229 \times 10^{-11}$	$2.50496762606296 \times 10^{-10}$
hsa-mir-301a	3.240376	$1.72157652775871 \times 10^{-11}$	$3.278820750595 \times 10^{-10}$
hsa-mir-93	3.214842	$2.78008706746528 \times 10^{-11}$	$5.06459339681719 \times 10^{-10}$
hsa-mir-192	-2.05601	$3.11004985903111 \times 10^{-11}$	$5.42962871222515 \times 10^{-10}$
hsa-mir-194-2	-1.89413	$5.2052237187854 \times 10^{-11}$	$8.72395495268433 \times 10^{-10}$
hsa-mir-218-1	3.719442	$5.72077508756914 \times 10^{-11}$	$9.21924908342872 \times 10^{-10}$
hsa-mir-187	-2.89681	$6.01653616831925 \times 10^{-11}$	$9.33677279453987 \times 10^{-10}$
hsa-mir-184	-3.08674	$6.48891577407842 \times 10^{-11}$	$9.71019896192449 \times 10^{-10}$
hsa-mir-30c-2	-1.59003	$7.04505831868543 \times 10^{-11}$	$9.97347312182911 \times 10^{-10}$
hsa-mir-218-2	3.748407	$7.14091154307573 \times 10^{-11}$	$9.97347312182911 \times 10^{-10}$
hsa-mir-301b	6.071024	$2.83089199190518 \times 10^{-10}$	$3.82627014389765 \times 10^{-9}$
hsa-mir-509-2	-3.21615	$3.40955172187571 \times 10^{-10}$	$4.46438178583101 \times 10^{-9}$
hsa-mir-509-1	-3.17699	$5.54992813842858 \times 10^{-10}$	$7.04672693939871 \times 10^{-9}$
hsa-mir-342	2.666275	$9.26825554225498 \times 10^{-10}$	$1.14217619770731 \times 10^{-8}$
hsa-mir-509-3	-3.12938	$2.52137721939313 \times 10^{-9}$	$3.01844872835921 \times 10^{-8}$
hsa-mir-101-1	-1.79404	$2.65999100348689 \times 10^{-9}$	$3.0959339735028 \times 10^{-8}$
hsa-mir-101-2	-1.78715	$2.97917559851067 \times 10^{-9}$	$3.37371506966478 \times 10^{-8}$
hsa-mir-188	-2.19679	$3.66153044722579 \times 10^{-9}$	$4.03731909838844 \times 10^{-8}$
hsa-mir-660	-2.0312	$4.05926439523771 \times 10^{-9}$	$4.36110713231949 \times 10^{-8}$
hsa-mir-30d	-1.73152	$4.33554427736752 \times 10^{-9}$	$4.51674528752229 \times 10^{-8}$

hsa-mir-20a	2.333097	$4.41972689232491 \times 10^{-9}$	$4.51674528752229 \times 10^{-8}$
hsa-mir-17	2.262292	$7.10870264100903 \times 10^{-9}$	$7.09177715853044 \times 10^{-8}$
hsa-mir-149	3.293422	$7.38006294654519 \times 10^{-9}$	$7.19127063861032 \times 10^{-8}$
hsa-mir-18a	3.693249	$1.137359811111925 \times 10^{-8}$	$1.08307672922492 \times 10^{-7}$
hsa-mir-132	-1.80186	$1.23265023652642 \times 10^{-8}$	$1.14773433134349 \times 10^{-7}$
hsa-mir-335	3.411088	$1.37261284948113 \times 10^{-8}$	$1.25027126941868 \times 10^{-7}$
hsa-mir-92a-1	1.800724	$1.60250919653419 \times 10^{-8}$	$1.42861990074005 \times 10^{-7}$
hsa-mir-182	3.850654	$3.18225254439784 \times 10^{-8}$	$2.77784128354728 \times 10^{-7}$
hsa-mir-183	4.00003	$3.78758843684066 \times 10^{-8}$	$3.23877460211477 \times 10^{-7}$
hsa-mir-92a-2	1.733	$4.97208867381467 \times 10^{-8}$	$4.16661030865669 \times 10^{-7}$
hsa-mir-19a	2.163181	$5.2211992342077 \times 10^{-8}$	$4.28957348849613 \times 10^{-7}$
hsa-mir-203b	-3.33966	$5.69715685287146 \times 10^{-8}$	$4.59059369490989 \times 10^{-7}$
hsa-mir-708	2.857041	$8.64510608205597 \times 10^{-8}$	$6.83452726109708 \times 10^{-7}$
hsa-mir-33a	-1.92875	$1.26737979168748 \times 10^{-7}$	$9.83392838364915 \times 10^{-7}$
hsa-mir-143	-1.72288	$1.46755196684292 \times 10^{-7}$	$1.11800777110397 \times 10^{-6}$
hsa-mir-200b	-3.08512	$1.60855795564582 \times 10^{-7}$	$1.20354604181357 \times 10^{-6}$
hsa-mir-25	2.251838	$1.78110984186554 \times 10^{-7}$	$1.3092719714766 \times 10^{-6}$
hsa-mir-106b	2.092233	$4.12168545326931 \times 10^{-7}$	$2.97756242227559 \times 10^{-6}$
hsa-mir-454	2.331194	$5.0977028450511 \times 10^{-7}$	$3.62023303741765 \times 10^{-6}$
hsa-mir-200a	-2.97196	$6.09536229178782 \times 10^{-7}$	$4.25659466709849 \times 10^{-6}$
hsa-mir-425	1.953859	$7.12487258781996 \times 10^{-7}$	$4.89396985950256 \times 10^{-6}$
hsa-mir-150	-2.06846	$9.07987572994577 \times 10^{-7}$	$6.13623859814077 \times 10^{-6}$
hsa-mir-502	-1.74415	$1.51792866037338 \times 10^{-6}$	$1.0095430296769 \times 10^{-5}$
hsa-mir-3200	3.249287	$3.37479769217875 \times 10^{-6}$	$2.20943786409828 \times 10^{-5}$
hsa-mir-129-1	-2.77149	$4.02833185327525 \times 10^{-6}$	$2.59672468695743 \times 10^{-5}$
hsa-mir-181b-2	2.459873	$4.18158414136291 \times 10^{-6}$	$2.6546723564107 \times 10^{-5}$
hsa-mir-181b-1	2.411878	$4.71232801951792 \times 10^{-6}$	$2.94696334354927 \times 10^{-5}$
hsa-mir-429	-2.84424	$5.03880129496627 \times 10^{-6}$	$3.10479079792775 \times 10^{-5}$
hsa-mir-96	2.953596	$5.33833595306161 \times 10^{-6}$	$3.24168516569973 \times 10^{-5}$
hsa-mir-497	-1.97469	$5.49243988481138 \times 10^{-6}$	$3.28761758819424 \times 10^{-5}$
hsa-mir-452	-1.76337	$6.35594641911759 \times 10^{-6}$	$3.75090359100038 \times 10^{-5}$
hsa-mir-204	-2.9385	$8.93673315705571 \times 10^{-6}$	$5.14080882732996 \times 10^{-5}$
hsa-mir-1301	1.917199	$8.95654043902355 \times 10^{-6}$	$5.14080882732996 \times 10^{-5}$
hsa-mir-129-2	-2.53195	$9.32833559235548 \times 10^{-6}$	$5.28185488269858 \times 10^{-5}$
hsa-mir-4746	3.040852	$9.49738799986251 \times 10^{-6}$	$5.30587409592319 \times 10^{-5}$
hsa-mir-887	2.073958	$9.95549252026853 \times 10^{-6}$	$5.4886202184112 \times 10^{-5}$
hsa-mir-766	2.252411	$1.04328955720615 \times 10^{-5}$	$5.67712109700492 \times 10^{-5}$
hsa-mir-383	7.596861	$1.27500722907157 \times 10^{-5}$	$6.84907729462807 \times 10^{-5}$
hsa-mir-324	1.665588	$1.37591483374081 \times 10^{-5}$	$7.29757361186579 \times 10^{-5}$
hsa-mir-196b	2.669385	$1.4574552873689 \times 10^{-5}$	$7.63342206759459 \times 10^{-5}$
hsa-mir-548f-1	5.142298	$1.76867866041789 \times 10^{-5}$	$9.14909084833451 \times 10^{-5}$
hsa-mir-30c-1	-1.12748	$1.84751108382671 \times 10^{-5}$	$9.44033102589499 \times 10^{-5}$
hsa-mir-340	1.498693	$1.95718836701598 \times 10^{-5}$	$9.88026416602044 \times 10^{-5}$

hsa-mir-19b-2	1.46591	$3.68033816623268 \times 10^{-5}$	$1.83578772815654 \times 10^{-4}$
hsa-mir-19b-1	1.450933	$4.01764744583807 \times 10^{-5}$	$1.98046385859547 \times 10^{-4}$
hsa-mir-1269a	7.790033	$4.31207410039228 \times 10^{-5}$	$2.10088261402833 \times 10^{-4}$
hsa-mir-532	-1.54825	$4.38521212871198 \times 10^{-5}$	$2.11195848497738 \times 10^{-4}$
hsa-mir-197	1.511637	$6.93517939051592 \times 10^{-5}$	$3.3020910961661 \times 10^{-4}$
hsa-mir-103a-2	1.233575	$7.92051482561275 \times 10^{-5}$	$3.72887158644016 \times 10^{-4}$
hsa-mir-103a-1	1.230803	$8.03379988555008 \times 10^{-5}$	$3.74018016893943 \times 10^{-4}$
hsa-mir-15a	1.24973	$8.5954750675135 \times 10^{-5}$	$3.95769676185511 \times 10^{-4}$
hsa-mir-106a	1.665976	$9.69551146532326 \times 10^{-5}$	$4.41567315648962 \times 10^{-4}$
hsa-mir-195	-1.89449	$1.66706365996723 \times 10^{-4}$	$7.5107491777018 \times 10^{-4}$
hsa-mir-152	-1.23204	$1.80881012791864 \times 10^{-4}$	$8.06267493189266 \times 10^{-4}$
hsa-mir-1307	1.401943	$1.92217249792122 \times 10^{-4}$	$8.47779238556833 \times 10^{-4}$
hsa-mir-421	2.186356	$2.0823948986233 \times 10^{-4}$	$9.0887860679496 \times 10^{-4}$
hsa-mir-877	3.840811	$2.20965753994258 \times 10^{-4}$	$9.5448093735664 \times 10^{-4}$
hsa-mir-5683	3.271324	$2.31736055789537 \times 10^{-4}$	$9.90789871181797 \times 10^{-4}$
hsa-mir-99a	-1.98321	$2.68045605132555 \times 10^{-4}$	$1.13445564192465 \times 10^{-3}$
hsa-mir-873	3.963119	$3.02502361975667 \times 10^{-4}$	$1.26748489667805 \times 10^{-3}$
hsa-mir-181a-2	1.458786	$3.40029721922603 \times 10^{-4}$	$1.39678875966246 \times 10^{-3}$
hsa-mir-130a	1.2666	$3.48096727738283 \times 10^{-4}$	$1.41604397011981 \times 10^{-3}$
hsa-mir-323a	3.780403	$3.77517420431042 \times 10^{-4}$	$1.50647427772006 \times 10^{-3}$
hsa-mir-15b	1.135465	$4.56627851893029 \times 10^{-4}$	$1.80497235795452 \times 10^{-3}$
hsa-mir-145	-1.33386	$4.62135591884149 \times 10^{-4}$	$1.80967114952765 \times 10^{-3}$
hsa-mir-27b	-1.08964	$5.21464951669774 \times 10^{-4}$	$2.02309087731144 \times 10^{-3}$
hsa-mir-181a-1	1.750685	$5.88159766554997 \times 10^{-4}$	$2.26090772648205 \times 10^{-3}$
hsa-mir-7706	3.421273	$6.57920046085654 \times 10^{-4}$	$2.50607726645354 \times 10^{-3}$
hsa-mir-345	1.655546	$7.30889263280716 \times 10^{-4}$	$2.75894235418577 \times 10^{-3}$
hsa-mir-431	5.007047	$7.53884598013366 \times 10^{-4}$	$2.82033613006786 \times 10^{-3}$
hsa-mir-212	-1.26687	$9.44373837144536 \times 10^{-4}$	$3.50170475896956 \times 10^{-3}$
hsa-mir-940	2.193358	$9.92575015659361 \times 10^{-4}$	$3.6215370583996 \times 10^{-3}$
hsa-mir-1226	3.760457	$9.93977951589389 \times 10^{-4}$	$3.6215370583996 \times 10^{-3}$
hsa-mir-365b	-1.02593	$1.33306876084998 \times 10^{-3}$	$4.73352382030628 \times 10^{-3}$
hsa-mir-455	-1.13747	$1.37689956859517 \times 10^{-3}$	$4.8480749516082 \times 10^{-3}$
hsa-mir-128-1	1.520326	$1.43564016593138 \times 10^{-3}$	$5.01277691271041 \times 10^{-3}$
hsa-mir-615	2.622612	$1.46879400369255 \times 10^{-3}$	$5.08615444253865 \times 10^{-3}$
hsa-mir-503	2.563196	$1.54814987409466 \times 10^{-3}$	$5.31700653480052 \times 10^{-3}$
hsa-mir-186	1.195956	$1.6030522988091 \times 10^{-3}$	$5.46080417236595 \times 10^{-3}$
hsa-mir-500b	-1.26224	$1.69776056458603 \times 10^{-3}$	$5.73678771420601 \times 10^{-3}$
hsa-mir-135b	2.515496	$1.75825615907221 \times 10^{-3}$	$5.89367464521005 \times 10^{-3}$
hsa-mir-4326	2.644152	$1.95088215960534 \times 10^{-3}$	$6.4363749990129 \times 10^{-3}$
hsa-mir-876	3.49397	$2.20404286119988 \times 10^{-3}$	$7.21479655345898 \times 10^{-3}$
hsa-mir-100	-1.60682	$2.27956959550944 \times 10^{-3}$	$7.40418341487174 \times 10^{-3}$
hsa-mir-320a	1.241353	$2.47968915995071 \times 10^{-3}$	$7.99222890784114 \times 10^{-3}$
hsa-mir-362	-1.29037	$2.68409743356828 \times 10^{-3}$	$8.51574198951539 \times 10^{-3}$

hsa-mir-135a-1	3.035714	$2.68645511481905 \times 10^{-3}$	$8.51574198951539 \times 10^{-3}$
hsa-mir-128-2	1.528646	$2.70308755275787 \times 10^{-3}$	$8.51574198951539 \times 10^{-3}$
hsa-mir-511	-1.39127	$2.87705493110985 \times 10^{-3}$	$8.99188475479885 \times 10^{-3}$
hsa-mir-92b	1.587119	$2.98006806791448 \times 10^{-3}$	$9.15592090446868 \times 10^{-3}$
hsa-mir-2115	3.735034	$2.99370206184298 \times 10^{-3}$	$9.15592090446868 \times 10^{-3}$
hsa-mir-484	1.458556	$3.34895968515642 \times 10^{-3}$	$1.01682181744967 \times 10^{-2}$
hsa-mir-141	-2.0491	$3.45110722934784 \times 10^{-3}$	$1.04029779071708 \times 10^{-2}$
hsa-mir-432	3.765634	$3.54369947792114 \times 10^{-3}$	$1.06057862946354 \times 10^{-2}$
hsa-mir-219a-2	4.543972	$3.61787035279357 \times 10^{-3}$	$1.07509764384433 \times 10^{-2}$
hsa-mir-200c	-2.05232	$4.09828726378734 \times 10^{-3}$	$1.20271439972598 \times 10^{-2}$
hsa-mir-196a-1	2.701789	$4.12258251983824 \times 10^{-3}$	$1.20271439972598 \times 10^{-2}$
hsa-mir-769	1.178139	$4.13343373652843 \times 10^{-3}$	$1.20271439972598 \times 10^{-2}$
hsa-mir-1306	1.411826	$4.21017410240751 \times 10^{-3}$	$1.21659513717845 \times 10^{-2}$
hsa-mir-551b	2.473014	$4.27800854874174 \times 10^{-3}$	$1.22772985063205 \times 10^{-2}$
hsa-mir-196a-2	2.648307	$4.69758404986782 \times 10^{-3}$	$1.33897123598273 \times 10^{-2}$
hsa-mir-146b	1.574391	$4.73991866393582 \times 10^{-3}$	$1.34190940553318 \times 10^{-2}$
hsa-mir-142	-1.13187	$5.15206986003178 \times 10^{-3}$	$1.44880353782102 \times 10^{-2}$
hsa-mir-363	-1.05007	$5.94536817776776 \times 10^{-3}$	$1.66073951098979 \times 10^{-2}$
hsa-mir-1248	3.41272	$6.53261554781591 \times 10^{-3}$	$1.81269265863236 \times 10^{-2}$
hsa-mir-935	3.297548	$7.68841642463174 \times 10^{-3}$	$2.10552057641876 \times 10^{-2}$
hsa-mir-409	2.387212	$7.82881633729175 \times 10^{-3}$	$2.13004808138003 \times 10^{-2}$
hsa-mir-767	5.166755	$9.33019957768326 \times 10^{-3}$	$2.5024781143149 \times 10^{-2}$
hsa-mir-4787	2.844819	$9.37682730184821 \times 10^{-3}$	$2.5024781143149 \times 10^{-2}$
hsa-let-7b	-1.1178	$9.98153042633562 \times 10^{-3}$	$2.63435379879841 \times 10^{-2}$
hsa-mir-3651	2.776878	$1.04800702045247 \times 10^{-2}$	$2.74446838480991 \times 10^{-2}$
hsa-mir-494	2.284226	$1.05944469399251 \times 10^{-2}$	$2.75718836511094 \times 10^{-2}$
hsa-mir-412	3.239061	$1.10772425998498 \times 10^{-2}$	$2.84746297505341 \times 10^{-2}$
hsa-mir-4742	2.760349	$1.16268716481426 \times 10^{-2}$	$2.97052391498276 \times 10^{-2}$
hsa-mir-370	2.356528	$1.20385860260331 \times 10^{-2}$	$3.05707123933809 \times 10^{-2}$
hsa-mir-1254-1	2.747963	$1.22811630707254 \times 10^{-2}$	$3.09988393170718 \times 10^{-2}$
hsa-mir-3917	2.193935	$1.32455340525612 \times 10^{-2}$	$3.3197038674531 \times 10^{-2}$
hsa-mir-135a-2	2.587501	$1.33105071535112 \times 10^{-2}$	$3.3197038674531 \times 10^{-2}$
hsa-mir-541	4.403696	$1.55340855539815 \times 10^{-2}$	$3.8286952041872 \times 10^{-2}$
hsa-mir-671	1.131023	$1.73804368603547 \times 10^{-2}$	$4.25871523069509 \times 10^{-2}$
hsa-mir-1296	1.19724	$1.77976362653836 \times 10^{-2}$	$4.335586973951 \times 10^{-2}$
hsa-mir-489	-1.95287	$1.81006832214298 \times 10^{-2}$	$4.35872774125235 \times 10^{-2}$
hsa-mir-488	3.21226	$1.84036191619835 \times 10^{-2}$	$4.3987861037963 \times 10^{-2}$
hsa-mir-382	2.100649	$1.84770012951825 \times 10^{-2}$	$4.3987861037963 \times 10^{-2}$
hsa-mir-2277	2.063031	$1.86233973092827 \times 10^{-2}$	$4.4085895325364 \times 10^{-2}$
hsa-mir-490	3.684813	$1.88525571253137 \times 10^{-2}$	$4.43776485140811 \times 10^{-2}$
hsa-mir-134	1.92575	$2.11480823565489 \times 10^{-2}$	$4.95030531139329 \times 10^{-2}$