

Table S1-1 Differentially expressed metabolites obtained in the negative ion mode.										
	mz	rt	rtmin	mean Of_Control	mean Of_ΔsclR	sd Of_Control	sd Of_ΔsclR	p value	q value	log2fc_ΔsclR/Control
809	179.089287	928.556	15.48	0.357524534	0.017035313	0.004234776	0.006597295	0.000264952	0.246236044	-4.391441883
399	143.033943	912.4355	15.21	0.028370943	0.06548061	0.000471664	0.000891721	0.000369272	0.246236044	1.206653658
584	171.356194	407.284	6.79	0.166005842	2.705872136	0.006903301	0.07570682	0.000447634	0.246236044	4.026787749
1326	208.052247	1016.19	16.94	0.000114508	0.023078604	1.17507E-05	0.000826056	0.000646482	0.246236044	7.654963724
689	171.42134	112.665	1.88	2.668453264	0.121050862	0.086602552	0.051355679	0.000780177	0.246236044	-4.462318486
185	113.002494	698.555	11.64	0.328000198	17.64632483	0.044376059	0.690182689	0.000796451	0.246236044	5.749527251
876	186.500317	486.4525	8.11	0.10576029	0.030059395	0.003205936	0.001312968	0.001045531	0.254791403	-1.814910184
488	152.034149	977.12	16.29	0.020871504	0.031403026	0.000192052	0.000468786	0.001154958	0.254791403	0.589369031
1839	786.522679	858.093	14.3	0.010455708	0.043784203	0.00085954	0.001418651	0.001236185	0.254791403	2.066119763
779	175.023277	985.4875	16.42	0.013249346	0.044165253	0.001592526	0.000600008	0.001511615	0.25708287	1.736990611
519	161.043813	775.593	12.93	0.233571079	0.561686964	0.012764263	0.012887087	0.001524481	0.25708287	1.26590467
711	171.438775	316.4455	5.27	2.466226474	0.212482882	0.099879019	0.098640842	0.001934169	0.277876371	-3.536886764
669	171.405677	106.113	1.77	0.182838479	3.139762938	0.056242883	0.179329928	0.002013851	0.277876371	4.102014007
700	171.427788	241.746	4.03	1.919577543	0.129051161	0.107863821	0.043068214	0.00209718	0.277876371	-3.89477382
243	119.946569	773.328	12.89	0.056724354	0.093898792	0.002597421	6.26292E-05	0.002433497	0.283850398	0.727138316
1231	200.402176	562.17	9.37	0.073573129	0.218851667	0.008481725	0.005638108	0.002448305	0.283850398	1.572702525
583	171.355653	894.04	14.9	0.019723872	0.847268346	0.005033562	0.060721046	0.002699471	0.287715852	5.424804306
1713	345.051549	670.459	11.17	0.000114508	0.030972867	1.17507E-05	0.002337373	0.002856454	0.287715852	8.079412727
1323	207.178464	906.859	15.11	0.012146696	0.04449745	0.001851184	0.001682134	0.002975692	0.287715852	1.873158704
803	179.054529	996.626	16.61	0.281859393	0.787128909	0.01809756	0.035549581	0.003102058	0.287715852	1.481624283
695	171.421743	71.2715	1.19	2.570700094	0.097916984	0.201257369	0.044069121	0.003452925	0.293425418	-4.714458379
534	161.043923	805.197	13.42	0.238474188	0.492187572	0.017640724	0.012602295	0.00363097	0.293425418	1.045375112
1746	369.184352	862.118	14.37	0.074388251	0.030254301	0.000947597	0.003654126	0.003638159	0.293425418	-1.297934525
810	179.089322	949.338	15.82	0.33037441	0.012907383	0.027528833	0.004242139	0.003826856	0.295784069	-4.677833515
481	151.06006	975.939	16.27	0.116013321	0.025028323	0.008012346	0.00300942	0.004395344	0.326134553	-2.212656959
61	100.016559	961.534	16.03	0.062360675	0.155842789	0.002192998	0.009455857	0.00534777	0.348878282	1.321382959
830	180.971032	394.1415	6.57	0.600053212	0.255894222	0.015618906	0.032895556	0.005551233	0.348878282	-1.229542871
786	177.038909	1010.02	16.83	0.023988611	0.063969656	0.000710435	0.004216204	0.005669675	0.348878282	1.415038119
879	186.502812	364.06	6.07	0.038092428	0.086233295	0.004031613	0.003309848	0.005819036	0.348878282	1.178740759
793	178.950389	929.127	15.49	0.004710714	0.010781776	7.73582E-05	0.000653903	0.005830311	0.348878282	1.194577345
1572	279.119138	650.282	10.84	0.046479017	0.308921901	0.022313527	0.021314016	0.006841403	0.386021436	2.732590705
649	171.390335	610.497	10.17	0.055768182	1.763540855	0.002410719	0.202973797	0.006990027	0.386021436	4.98288896
1524	250.153567	974.4185	16.24	0.035654865	0.012828402	0.001341248	0.002377648	0.007075326	0.386021436	-1.474757452
679	171.410746	486.497	8.11	3.169209495	0.123575214	0.376256074	0.034089477	0.007605977	0.403116792	-4.680661725
521	161.044303	975.839	16.26	1.831029666	3.350838399	0.196972443	0.00240712	0.008295406	0.42744384	0.871866946
1600	295.075087	545.092	9.08	0.002705978	0.013379203	0.000564756	0.001339465	0.009147681	0.445613965	2.305770162
336	131.034463	937.0755	15.62	0.043140315	0.091452673	0.00354423	0.005722643	0.00956714	0.445613965	1.083988619
527	161.04393	882.229	14.7	0.33553247	0.570426197	0.021561286	0.025003132	0.009734069	0.445613965	0.765587857
708	171.431649	625.753	10.43	0.199230406	2.964133197	0.019403746	0.388739883	0.00976365	0.445613965	3.895100532
30	92.8537685	158.143	2.64	0.000114508	0.026662461	1.17507E-05	0.003753789	0.00984915	0.445613965	7.863217746
1742	368.181653	861.884	14.36	0.578163118	0.258574411	0.046713513	0.002866569	0.01055327	0.458111622	-1.160897072
579	171.348935	369.55	6.16	0.103576706	0.057032806	0.006667176	0.00210055	0.011090662	0.458111622	-0.860835669
75	101.024298	931.43	15.52	0.196425984	0.484098598	0.041085286	0.015830272	0.011510953	0.458111622	1.301315128
60	100.016561	1014.285	16.9	0.032402859	0.097832132	0.009020393	0.005103058	0.012313613	0.458111622	1.59418727
899	186.534375	462.569	7.71	0.088971498	0.030824458	0.008643811	0.003304241	0.01242805	0.458111622	-1.529267708
1517	249.057947	959.11	15.99	0.006460956	0.015638538	0.00101948	0.001072245	0.012746848	0.458111622	1.27528609
1477	246.018965	253.733	4.23	0.159514909	0.075019092	0.007748036	0.011545726	0.013270864	0.458111622	-1.08836156
1350	214.11371	693.402	11.56	0.000114508	0.078681125	1.17507E-05	0.013071259	0.013558939	0.458111622	9.424425381

570	171.004234	85.64135	1.43	0.052938796	0.087633683	0.00527822	0.002415916	0.013709379	0.458111622	0.727160114
1234	200.402667	579.202	9.65	0.086775791	0.407896636	0.020894558	0.049557794	0.013737057	0.458111622	2.232839093
662	171.396821	678.61	11.31	0.069011976	2.607344732	0.021458213	0.426214305	0.013840088	0.458111622	5.23959079
703	171.427194	669.481	11.16	0.263106773	2.84643287	0.191031779	0.39074997	0.013879321	0.458111622	3.435434783
1391	224.91218	916.108	15.27	0.002112221	0.00642246	0.000601298	0.000417851	0.014124806	0.458111622	1.604365209
1322	207.048208	558.1195	9.3	0.35766255	0.873361746	0.074993193	0.045655147	0.014184758	0.458111622	1.287980276
1473	245.040919	93.23875	1.55	0.018876031	0.007449851	0.000118723	0.001996137	0.014970748	0.458111622	-1.341271931
1430	235.042355	935.453	15.59	0.005754103	0.012551645	0.001182992	0.000175407	0.015126311	0.458111622	1.125213446
109	105.993334	907.413	15.12	1.342327161	0.021331641	0.232145869	0.013133976	0.015140013	0.458111622	-5.975597608
1612	297.129787	563.68	9.39	0.185736212	0.53956996	0.05329673	0.032246592	0.015145775	0.458111622	1.538554913
110	106.025	907.413	15.12	1.336614456	0.028793826	0.230484295	0.017777538	0.015265061	0.458111622	-5.536680097
194	113.024237	992.771	16.55	0.030461046	0.069553292	0.004053912	0.005702139	0.015640343	0.458111622	1.191153306
736	171.45574	332.797	5.55	0.102434097	0.195078887	0.004731582	0.015904659	0.0156642	0.458111622	0.929361625
629	171.377416	252.08	4.2	2.982969536	0.232613249	0.453542365	0.195362684	0.015739715	0.458111622	-3.680744068
1129	186.625682	404.827	6.75	0.045974977	0.150283502	0.01844168	0.003488453	0.015805468	0.458111622	1.708765877
1393	225.053802	920.918	15.35	0.550731216	0.017312559	0.097137975	0.002121245	0.016187246	0.461959093	-4.991457533
891	186.528364	861.7265	14.36	0.011372794	0.036866217	0.002957907	0.003758994	0.017150233	0.470506631	1.696712633
1359	217.988744	126.398	2.11	0.19548625	0.060972561	0.003860206	0.025345381	0.017682921	0.473422861	-1.680835098
1125	186.626349	386.199	6.44	0.037227411	0.266594619	0.0163836	0.040778786	0.017865014	0.473422861	2.840210489
398	143.033921	959.094	15.98	0.023074764	0.040071056	0.003359283	0.000290499	0.019115991	0.484787798	0.796244619
1232	200.402083	177.663	2.96	0.077266636	0.27239226	0.009742293	0.03764774	0.019286862	0.484787798	1.817768226
552	163.059752	953.9825	15.9	0.062945274	0.026906659	0.001109818	0.007135799	0.019491933	0.484787798	-1.226134789
1378	220.14442	1003.64	16.73	0.272144293	0.180861442	0.00778121	0.016832429	0.020017112	0.484787798	-0.589486912
1348	212.050836	999.467	16.66	0.00667932	0.016229287	0.001891687	0.000474432	0.020222094	0.484787798	1.28082648
917	186.552818	125.522	2.09	0.122956092	0.227108467	0.013656391	0.016527832	0.020536814	0.484787798	0.885238277
330	131.03439	972.3015	16.21	0.080250372	0.269909496	0.023871	0.031417352	0.020962861	0.484787798	1.749895747
1542	265.94656	705.737	11.76	0.129983179	0.275304147	0.004716184	0.029874166	0.020977822	0.484787798	1.082701407
528	161.044269	942.382	15.71	1.839151813	3.565058514	0.145521569	0.330306129	0.021175849	0.484787798	0.954885184
1191	197.119063	528.6345	8.81	0.508039775	0.253425071	0.019254111	0.050124416	0.021521652	0.484787798	-1.003382198
204	115.039884	1015.495	16.92	0.000114508	0.019467244	1.17507E-05	0.004125284	0.021973327	0.484787798	7.409456413
1837	759.355767	862.159	14.37	0.016644202	0.004377568	0.00262091	0.000215405	0.022216894	0.484787798	-1.926818208
802	179.05251	980.639	16.34	0.310893134	0.018293324	0.061250929	0.015498727	0.022528291	0.484787798	-4.087029606
680	171.412785	267.035	4.45	2.7548079	0.075976534	0.582951062	0.003231517	0.022869496	0.484787798	-5.18025402
1331	208.05219	932.692	15.54	0.078714341	0.174762671	0.005616038	0.020163501	0.0229313	0.484787798	1.150698656
471	149.044836	908.864	15.15	0.01328312	0.067662041	0.001085276	0.011821878	0.023010801	0.484787798	2.348752643
148	112.985075	308.0115	5.13	2.709941348	1.739389019	0.209049332	0.038914412	0.023169815	0.484787798	-0.639680996
778	175.023465	961.8555	16.03	0.018641763	0.038078383	0.00068169	0.004212121	0.023259361	0.484787798	1.03043393
1712	344.246701	892.581	14.88	0.008428424	0.0048643	0.000407166	0.000677063	0.023699052	0.48502489	-0.793030832
480	151.060024	1010.64	16.84	0.13399629	0.040439129	0.014566041	0.014822684	0.023793674	0.48502489	-1.72836924
642	171.381245	309.9075	5.17	0.096896022	2.74204547	0.044861399	0.593620154	0.02440243	0.486857281	4.822671254
1444	239.073638	146.3605	2.44	0.304868408	0.199354497	0.022451089	0.008653873	0.025028667	0.486857281	-0.61285051
1438	239.056735	974.3865	16.24	0.038137665	0.021431146	0.003782216	0.000464906	0.025040798	0.486857281	-0.831507533
67	100.016561	975.939	16.27	0.04309231	0.140326471	0.004406629	0.022028858	0.025667306	0.486857281	1.703284857
811	179.089391	1006.42	16.77	0.246726469	0.009061337	0.055268783	0.00010586	0.025990095	0.486857281	-4.767044831
1395	225.058345	827.552	13.79	0.1032454	0.816590467	0.036640166	0.161849515	0.0260073	0.486857281	2.983535226
683	171.418854	743.076	12.38	0.117231986	1.399102292	0.042791185	0.297684081	0.026435272	0.486857281	3.577063286
632	171.382938	137.9735	2.3	0.089709794	1.4510191	0.042758041	0.319828357	0.026961167	0.490323186	4.015657209
1330	208.052358	970.137	16.17	0.030874416	0.064187252	0.004360573	0.006724375	0.027741298	0.492144064	1.055874949
1315	207.048199	762.93	12.72	0.616750393	1.025730517	0.094439585	0.028270258	0.027842367	0.492144064	0.733893117
1501	248.95692	896.767	14.95	0.032981985	0.017446647	0.003138651	0.002044225	0.027857211	0.492144064	-0.918728451

278	129.975004	896.008	14.93	0.128656486	0.075602786	0.004773546	0.012028057	0.028482789	0.494592151	-0.76701288
548	162.047633	931.829	15.53	0.030541937	0.071520927	0.006162126	0.007906192	0.028638558	0.494592151	1.227573874
1294	207.048324	737.993	12.3	0.630168623	1.407026456	0.19094176	0.006202915	0.028931748	0.494592151	1.158839628
1461	243.044627	364.688	6.08	0.02654997	0.046421297	0.003692211	0.003239505	0.029218039	0.494592151	0.806076628
637	171.379928	454.295	7.57	0.226283196	1.645146489	0.039053587	0.349240831	0.029328915	0.494592151	2.862014697
1578	281.096384	693.402	11.56	0.000114508	0.168419064	1.17507E-05	0.042278991	0.030133173	0.498770784	10.52239134
1070	186.598886	505.361	8.42	0.442665351	0.248618421	0.04375452	0.021717585	0.030254009	0.498770784	-0.83228326
65	100.016599	944.905	15.75	0.03897226	0.136288527	0.019482699	0.015127259	0.030652221	0.498770784	1.806144631
826	180.971055	525.582	8.76	0.842900013	0.486022398	0.067366646	0.062449803	0.031566905	0.501714596	-0.794338705
225	118.014241	116.314	1.94	0.087596248	0.470909966	0.047553869	0.086584179	0.031639531	0.501714596	2.426510274
1471	244.230368	91.9837	1.53	0.029109032	0.006121542	0.005340657	0.002564777	0.031644533	0.501714596	-2.249499825
1236	200.403011	322.126	5.37	0.055039571	0.399419422	0.003824183	0.089724856	0.032360834	0.502740957	2.859363356
923	186.549182	387.627	6.46	0.112854957	0.21769807	0.02544173	0.010521823	0.032792391	0.502740957	0.947858832
192	113.024314	977.802	16.3	0.037833037	0.089831857	0.012468545	0.005631864	0.032914319	0.502740957	1.247580585
1468	244.06428	91.9797	1.53	5.68684783	2.336177475	0.423520947	0.77850518	0.033245439	0.502740957	-1.283479324
1328	208.052431	988.224	16.47	0.01917267	0.051057906	0.00517377	0.006751521	0.033789252	0.505476303	1.413083095
1187	197.019344	237.709	3.96	0.065667742	0.027686923	0.005746312	0.008580218	0.035031838	0.519872476	-1.24598011
553	163.059733	995.465	16.59	0.066006357	0.022021654	0.012014847	0.001170334	0.035659747	0.520921074	-1.583682134
1846	832.600815	843.8095	14.06	0.047874633	0.08616491	0.00836238	0.006500144	0.036193007	0.524515848	0.84783905
1178	194.041415	962.567	16.04	0.063660495	0.106335392	0.002605481	0.011814107	0.03791338	0.541627597	0.740151586
1370	219.173101	996.581	16.61	0.09522885	0.054713246	0.011412573	0.00143119	0.038013771	0.541627597	-0.799508553
1567	275.992746	117.802	1.96	0.273009063	0.143154406	0.03627118	0.009777219	0.039388994	0.542846319	-0.931376768
1595	294.054814	671.135	11.19	0.000114508	0.017802016	1.17507E-05	0.005138715	0.039706792	0.542846319	7.280448384
1416	229.105026	536.5695	8.94	0.004926822	0.650663668	0.000273404	0.187836157	0.039798975	0.542846319	7.045110984
1314	207.04836	678.549	11.31	0.522840577	1.044251572	0.05864817	0.14199414	0.040770598	0.547850792	0.998026298
1127	186.627851	863.138	14.39	0.027414943	0.085587874	0.014914508	0.008494576	0.040876934	0.547850792	1.642443964
1848	832.60074	879.9075	14.67	0.096756955	0.15465971	0.007370392	0.015556478	0.041462781	0.547850792	0.67666014
1130	186.627787	462.569	7.71	0.192003623	0.04101418	0.041309449	0.018443108	0.042073785	0.547850792	-2.226938858
1400	225.206159	906.46	15.11	0.001045843	0.005290149	0.000448053	0.00119187	0.042174551	0.547850792	2.338642617
1464	243.898397	91.9757	1.53	0.039180307	0.009973788	0.005792006	0.006820034	0.043862969	0.555910909	-1.973915241
532	161.043956	607.86	10.13	0.104825841	0.276727688	0.019968931	0.048759172	0.043904072	0.555910909	1.400472602
1309	207.048696	974.616	16.24	1.084789352	1.81600046	0.143433282	0.172794933	0.044067109	0.555910909	0.743349646
1042	186.596841	593.697	9.89	0.198256251	0.419974098	0.060434454	0.032094195	0.04447197	0.555910909	1.082934001
1624	303.077612	693.402	11.56	0.001028848	0.019750026	0.001304823	0.005641456	0.044652682	0.555910909	4.262752754
798	179.019848	907.8365	15.13	0.005070263	0.01308732	0.000457856	0.00245677	0.045308018	0.560309152	1.368037151
551	163.059865	935.5475	15.59	0.037558694	0.013057838	0.006551394	0.004261705	0.047297235	0.571458521	-1.524230905
1657	313.23341	789.853	13.16	0.515527373	0.233814931	0.07004171	0.057087919	0.047783784	0.571458521	-1.140681972
77	101.024287	921.745	15.36	0.291362718	0.553722739	0.046320445	0.071441776	0.048834993	0.571458521	0.926347484
1679	317.131634	781.717	13.03	0.018375789	0.043039019	0.005797137	0.005529947	0.048922143	0.571458521	1.227838998
360	138.018762	1000.1605	16.67	0.039083851	0.018069173	0.006736807	0.001153535	0.049033559	0.571458521	-1.113042188
1346	211.094575	622.461	10.37	0.000114508	0.019772818	1.17507E-05	0.006460976	0.049994449	0.571458521	7.431926292