Electronic Supplementary Material (ESI) for Molecular Omics.
This journal is © The Royal Society of Chemistry 2023

Meta-analyses of host metagenomes from colorectal cancer patients reveal strong relationship between colorectal cancer-associated species

Manuel Adrian Riveros Escalona, Joice de Faria Poloni, Mathias J.Krause,d and Márcio Dorn

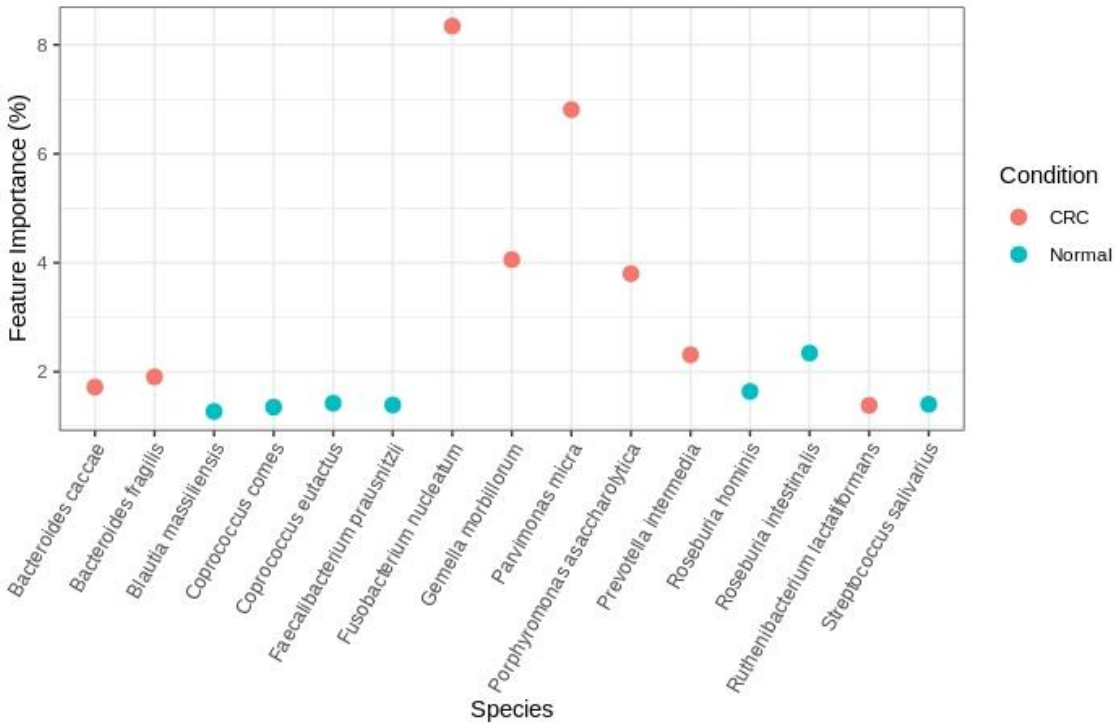

Figure S1 – Top 15 species based on importance estimates using Random Forest classification on the taxonomic profile of the validation dataset. Species association to condition is based only in significant differential abundance ($p < 0.05$) without filtering for $|LFC| > 0.5$

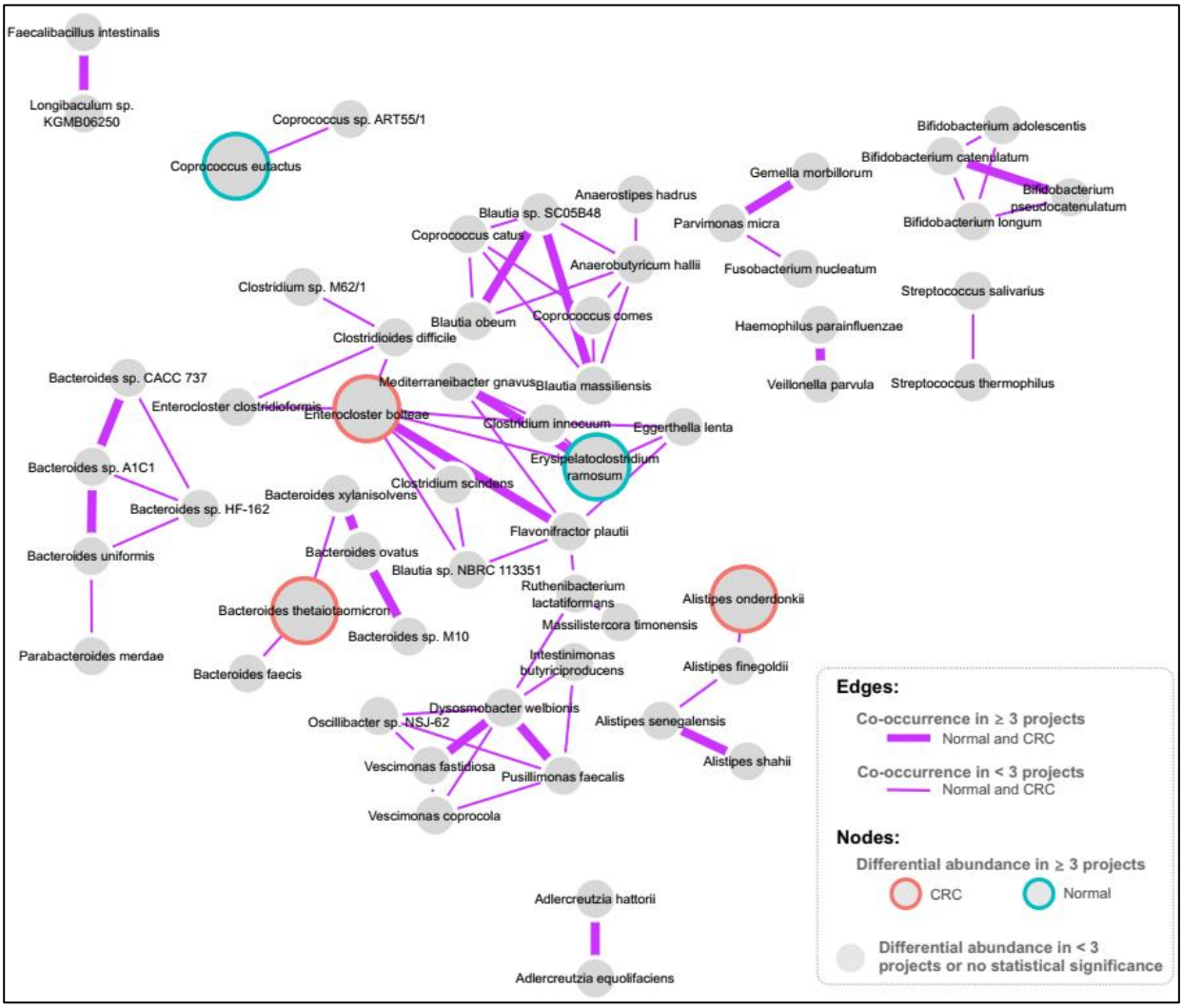

Figure S2 – Co-abundance network showing species and co-abundances observed in both Normal and CRC conditions. Large nodes and thick edges indicate species prevalent in 3 or more projects. Nodes with colored circles represent species with significant differential abundance in Normal (blue) or CRC (red) conditions.

Table S1 – Metadata for each sample retained for analyses. Number of raw and filtered reads represent the total amount of reads from multiple sequencing runs and from both paired-end files.

sample_ID	project_ID	instrument_model	age	sex	BMI	BMI_status	country	phenotype	raw_read_count	filtered_read_count
SAMD00114722	PRJDB4176	Illumina HiSeq 2500	64	Male	22.46	normal	Japan	Colorectal Neoplasm	59090417	34918046
SAMD00114724	PRJDB4176	Illumina HiSeq 2500	66	Female	22.6003	normal	Japan	Colorectal Neoplasm	45773031	29165608
SAMD00114727	PRJDB4176	Illumina HiSeq 2500	61	Male	28.2933	pre-obesity	Japan	Colorectal Neoplasm	63653548	41815434
SAMD00114731	PRJDB4176	Illumina HiSeq 2500	70	Female	21.9076	normal	Japan	Colorectal Neoplasm	65573845	43411924
SAMD00114734	PRJDB4176	Illumina HiSeq 2500	72	Male	22.1367	normal	Japan	Health	83428881	55274160
SAMD00114737	PRJDB4176	Illumina HiSeq 2500	62	Female	21.0828	normal	Japan	Colorectal Neoplasm	16099789	11050136
SAMD00114753	PRJDB4176	Illumina HiSeq 2500	65	Male	21.3039	normal	Japan	Colorectal Neoplasm	35052326	26443436
SAMD00114755	PRJDB4176	Illumina HiSeq 2500	59	Male	25.4581	pre-obesity	Japan	Colorectal Neoplasm	44720362	30959734
SAMD00114760	PRJDB4176	Illumina HiSeq 2500	78	Male	22.68	normal	Japan	Colorectal Neoplasm	14668832	9804492
SAMD00114761	PRJDB4176	Illumina HiSeq 2500	30	Male	25.6896	pre-obesity	Japan	Colorectal Neoplasm	76400153	50243560
SAMD00114763	PRJDB4176	Illumina HiSeq 2500	69	Female	23.5556	normal	Japan	Colorectal Neoplasm	59813996	39799150
SAMD00114765	PRJDB4176	Illumina HiSeq 2500	57	Female	18.369	normal	Japan	Colorectal Neoplasm	60293448	44500258
SAMD00114767	PRJDB4176	Illumina HiSeq 2500	38	Male	24.3911	normal	Japan	Colorectal Neoplasm	51680790	38482470
SAMD00114770	PRJDB4176	Illumina HiSeq 2500	73	Male	25.8166	pre-obesity	Japan	Health	78080141	56678848
SAMD00114778	PRJDB4176	Illumina HiSeq 2500	59	Female	20.0288	normal	Japan	Health	34878732	22111598
SAMD00114781	PRJDB4176	Illumina HiSeq 2500	64	Male	20.5191	normal	Japan	Health	28408932	18789210
SAMD00114782	PRJDB4176	Illumina HiSeq 2500	44	Female	26.6728	pre-obesity	Japan	Colorectal Neoplasm	49789119	32605558
SAMD00114783	PRJDB4176	Illumina HiSeq 2500	50	Female	20.3428	normal	Japan	Health	41692181	27101708
SAMD00114792	PRJDB4176	Illumina HiSeq 2500	67	Female	26.0417	pre-obesity	Japan	Health	101364988	67366892
SAMD00114798	PRJDB4176	Illumina HiSeq 2500	45	Male	22.2222	normal	Japan	Health	28071775	18601624
SAMD00114803	PRJDB4176	Illumina HiSeq 2500	62	Male	24.6181	normal	Japan	Colorectal Neoplasm	32744535	22561532
SAMD00114805	PRJDB4176	Illumina HiSeq 2500	46	Male	19.1512	normal	Japan	Colorectal Neoplasm	45226958	24605106
SAMD00114813	PRJDB4176	Illumina HiSeq 2500	70	Female	17.3484	underweight	Japan	Colorectal Neoplasm	39561620	18803874
SAMD00114825	PRJDB4176	Illumina HiSeq 2500	70	Male	20.5761	normal	Japan	Colorectal Neoplasm	43062649	22851676
SAMD00114826	PRJDB4176	Illumina HiSeq 2500	63	Female	17.4818	underweight	Japan	Colorectal Neoplasm	44488702	23920266

SAMD00114829	PRJDB4176	Illumina HiSeq 2500	65	Female	19.8189	normal	Japan	Health	49772576	21546604
SAMD00114834	PRJDB4176	Illumina HiSeq 2500	76	Male	22.1003	normal	Japan	Health	40112171	27477192
SAMD00114840	PRJDB4176	Illumina HiSeq 2500	69	Male	21.5139	normal	Japan	Colorectal Neoplasm	36702095	24914916
SAMD00114842	PRJDB4176	Illumina HiSeq 2500	76	Female	23.4221	normal	Japan	Health	37763014	23367104
SAMD00114843	PRJDB4176	Illumina HiSeq 2500	53	Female	18.662	normal	Japan	Health	34261461	21526580
SAMD00114849	PRJDB4176	Illumina HiSeq 2500	45	Female	23.4224	normal	Japan	Colorectal Neoplasm	30750797	20400024
SAMD00114859	PRJDB4176	Illumina HiSeq 2500	75	Female	22.6667	normal	Japan	Health	40695554	26942900
SAMD00114862	PRJDB4176	Illumina HiSeq 2500	78	Male	22.8624	normal	Japan	Health	45454146	30881070
SAMD00114863	PRJDB4176	Illumina HiSeq 2500	59	Female	22.6562	normal	Japan	Colorectal Neoplasm	33271872	21766592
SAMD00114865	PRJDB4176	Illumina HiSeq 2500	45	Male	23.9512	normal	Japan	Health	34808755	23725802
SAMD00114871	PRJDB4176	Illumina HiSeq 2500	64	Male	23.1084	normal	Japan	Colorectal Neoplasm	42716789	29858186
SAMD00114874	PRJDB4176	Illumina HiSeq 2500	76	Male	21.7993	normal	Japan	Health	42066421	30249486
SAMD00114880	PRJDB4176	Illumina HiSeq 2500	42	Female	25.5937	pre-obesity	Japan	Health	71087499	37403490
SAMD00114884	PRJDB4176	Illumina HiSeq 2500	32	Female	22.3478	normal	Japan	Colorectal Neoplasm	31626257	16049036
SAMD00114892	PRJDB4176	Illumina HiSeq 2500	49	Female	19.3821	normal	Japan	Colorectal Neoplasm	41235983	27436662
SAMD00114893	PRJDB4176	Illumina HiSeq 2500	67	Female	20.1746	normal	Japan	Colorectal Neoplasm	37227591	27362896
SAMD00114895	PRJDB4176	Illumina HiSeq 2500	49	Female	22.3081	normal	Japan	Health	40634557	27921844
SAMD00114912	PRJDB4176	Illumina HiSeq 2500	78	Male	25.9095	pre-obesity	Japan	Colorectal Neoplasm	40775477	28463236
SAMD00114915	PRJDB4176	Illumina HiSeq 2500	54	Female	20.5688	normal	Japan	Colorectal Neoplasm	24956278	16820818
SAMD00114918	PRJDB4176	Illumina HiSeq 2500	42	Male	26.1738	pre-obesity	Japan	Health	42451940	24881232
SAMD00114920	PRJDB4176	Illumina HiSeq 2500	59	Female	20.9566	normal	Japan	Colorectal Neoplasm	47219293	26921254
SAMD00114929	PRJDB4176	Illumina HiSeq 2500	40	Male	22.9819	normal	Japan	Health	42980208	29305674
SAMD00114931	PRJDB4176	Illumina HiSeq 2500	70	Male	24.2424	normal	Japan	Colorectal Neoplasm	42612588	29413992
SAMD00114938	PRJDB4176	Illumina HiSeq 2500	76	Male	25.9695	pre-obesity	Japan	Health	36826545	26063166
SAMD00114946	PRJDB4176	Illumina HiSeq 2500	46	Female	17.4449	underweight	Japan	Colorectal Neoplasm	32161882	23307568
SAMD00114950	PRJDB4176	Illumina HiSeq 2500	49	Female	21.2306	normal	Japan	Health	41784614	24785518
SAMD00114953	PRJDB4176	Illumina HiSeq 2500	63	Male	22.0581	normal	Japan	Health	60639270	34051902
SAMD00114954	PRJDB4176	Illumina HiSeq 2500	62	Male	25.5937	pre-obesity	Japan	Colorectal Neoplasm	28288613	15925654

SAMD00114959	PRJDB4176	Illumina HiSeq 2500	49	Male	27.3982	pre-obesity	Japan	Health	49007962	25466518
SAMD00114964	PRJDB4176	Illumina HiSeq 2500	75	Female	22.2222	normal	Japan	Colorectal Neoplasm	37401630	18361034
SAMD00114966	PRJDB4176	Illumina HiSeq 2500	73	Female	20.5457	normal	Japan	Colorectal Neoplasm	50469959	23735614
SAMD00114967	PRJDB4176	Illumina HiSeq 2500	51	Male	28.3848	pre-obesity	Japan	Health	43995136	25133248
SAMD00114970	PRJDB4176	Illumina HiSeq 2500	66	Female	25.4109	pre-obesity	Japan	Health	57886876	41116822
SAMD00114974	PRJDB4176	Illumina HiSeq 2500	71	Female	18.0172	normal	Japan	Health	54696311	39434650
SAMD00114977	PRJDB4176	Illumina HiSeq 2500	66	Male	23.6652	normal	Japan	Health	65782482	46076322
SAMD00114982	PRJDB4176	Illumina HiSeq 2500	64	Female	23.1911	normal	Japan	Health	42020781	28952416
SAMD00114983	PRJDB4176	Illumina HiSeq 2500	77	Female	18.7305	normal	Japan	Health	64870388	43749488
SAMD00114994	PRJDB4176	Illumina HiSeq 2500	44	Male	22.0522	normal	Japan	Health	36042754	23576512
SAMD00114997	PRJDB4176	Illumina HiSeq 2500	74	Male	20.6852	normal	Japan	Health	55367955	36192632
SAMD00114998	PRJDB4176	Illumina HiSeq 2500	70	Male	23.6614	normal	Japan	Health	49149970	34332192
SAMD00115000	PRJDB4176	Illumina HiSeq 2500	55	Male	24.5779	normal	Japan	Colorectal Neoplasm	47224591	31863824
SAMD00115001	PRJDB4176	Illumina HiSeq 2500	70	Male	25.7117	pre-obesity	Japan	Health	44449006	30477124
SAMD00115002	PRJDB4176	Illumina HiSeq 2500	75	Male	22.3081	normal	Japan	Health	51934467	35705730
SAMD00115008	PRJDB4176	Illumina HiSeq 2500	76	Male	23.7954	normal	Japan	Health	52986931	36457938
SAMD00115009	PRJDB4176	Illumina HiSeq 2500	76	Male	25.8806	pre-obesity	Japan	Health	48805992	32150974
SAMD00115013	PRJDB4176	Illumina HiSeq 2500	28	Male	26.2976	pre-obesity	Japan	Colorectal Neoplasm	47371744	28829272
SAMD00115020	PRJDB4176	Illumina HiSeq 2500	69	Female	25.6369	pre-obesity	Japan	Colorectal Neoplasm	39198440	26076540
SAMD00115022	PRJDB4176	Illumina HiSeq 2500	73	Female	20.7031	normal	Japan	Health	56154694	33342354
SAMD00115023	PRJDB4176	Illumina HiSeq 2500	77	Female	23.634	normal	Japan	Health	53530490	35962820
SAMD00115035	PRJDB4176	Illumina HiSeq 2500	51	Male	20.7612	normal	Japan	Colorectal Neoplasm	47574725	29672932
SAMD00154991	PRJDB4176	Illumina HiSeq 2500	65	Male	21.5645	normal	Japan	Health	41645440	28158742
SAMD00154992	PRJDB4176	Illumina HiSeq 2500	66	Female	22.3478	normal	Japan	Health	31930957	20099636
SAMD00154993	PRJDB4176	Illumina HiSeq 2500	48	Male	23.03	normal	Japan	Colorectal Neoplasm	34115970	20583688
SAMD00154994	PRJDB4176	Illumina HiSeq 2500	65	Male	21.3839	normal	Japan	Colorectal Neoplasm	57941751	33606664
SAMD00154995	PRJDB4176	Illumina HiSeq 2500	70	Male	18.9619	normal	Japan	Colorectal Neoplasm	24917710	14869956
SAMEA2466887	PRJEB6070	Illumina	52	Missing	20	normal	France	Health	19986368	5337097

SAMEA2466888	PRJEB6070	Illumina	37	Missing	18	underweight	France	Health	17061220	14939009
SAMEA2466890	PRJEB6070	Illumina	54	Missing	26	pre-obesity	France	Health	20549262	17993180
SAMEA2466891	PRJEB6070	Illumina	65	Missing	30	pre-obesity	France	Health	18098042	4233547
SAMEA2466892	PRJEB6070	Illumina	57	Missing	24	normal	France	Health	19114044	4787080
SAMEA2466894	PRJEB6070	Illumina	53	Missing	30	pre-obesity	France	Health	18758530	3038905
SAMEA2466896	PRJEB6070	Illumina	53	Missing	32	obesity	France	Health	19620360	3054385
SAMEA2466897	PRJEB6070	Illumina	68	Missing	26	pre-obesity	France	Health	12682770	11105186
SAMEA2466898	PRJEB6070	Illumina	59	Missing	25	normal	France	Health	18340586	4482781
SAMEA2466900	PRJEB6070	Illumina	72	Missing	24	normal	France	Health	22108336	19358324
SAMEA2466901	PRJEB6070	Illumina	55	Missing	20	normal	France	Health	16959354	2721063
SAMEA2466902	PRJEB6070	Illumina	64	Missing	20	normal	France	Health	26732516	23407312
SAMEA2466903	PRJEB6070	Illumina	59	Missing	25	normal	France	Health	32191604	28187355
SAMEA2466904	PRJEB6070	Illumina	72	Missing	37	obesity	France	Colorectal Neoplasm	12358354	10821123
SAMEA2466907	PRJEB6070	Illumina	64	Missing	27	pre-obesity	France	Health	21765302	19057960
SAMEA2466908	PRJEB6070	Illumina	62	Missing	21	normal	France	Colorectal Neoplasm	16479220	16447360
SAMEA2466909	PRJEB6070	Illumina	59	Missing	25	normal	France	Health	5886008	5153859
SAMEA2466911	PRJEB6070	Illumina	29	Missing	24	normal	France	Health	21272924	19623145
SAMEA2466912	PRJEB6070	Illumina	25	Missing	24	normal	France	Health	28842928	26671966
SAMEA2466913	PRJEB6070	Illumina	63	Missing	23	normal	France	Health	22115900	19364947
SAMEA2466915	PRJEB6070	Illumina	58	Missing	24	normal	France	Colorectal Neoplasm	15625268	14172976
SAMEA2466916	PRJEB6070	Illumina	87	Missing	32	obesity	France	Colorectal Neoplasm	24577894	23413716
SAMEA2466917	PRJEB6070	Illumina	63	Missing	22	normal	France	Colorectal Neoplasm	26937436	25411603
SAMEA2466922	PRJEB6070	Illumina	79	Missing	30	pre-obesity	France	Colorectal Neoplasm	21889844	14175396
SAMEA2466926	PRJEB6070	Illumina	70	Missing	26	pre-obesity	France	Colorectal Neoplasm	11559066	10121257
SAMEA2466927	PRJEB6070	Illumina	63	Missing	31	obesity	France	Colorectal Neoplasm	44100700	38615102
SAMEA2466928	PRJEB6070	Illumina	50	Missing	24	normal	France	Colorectal Neoplasm	45282976	39650317
SAMEA2466930	PRJEB6070	Illumina	76	Missing	-99	missing	France	Colorectal Neoplasm	17561018	15376638
SAMEA2466931	PRJEB6070	Illumina	73	Missing	24	normal	France	Colorectal Neoplasm	21107240	18481753

SAMEA2466932	PRJEB6070	Illumina	59	Missing	27	pre-obesity	France	Colorectal Neoplasm	21939664	19210633
SAMEA2466933	PRJEB6070	Illumina	50	Missing	25	normal	France	Health	38601854	33800247
SAMEA2466934	PRJEB6070	Illumina	85	Missing	20	normal	France	Colorectal Neoplasm	22781814	19948030
SAMEA2466936	PRJEB6070	Illumina	73	Missing	26	pre-obesity	France	Colorectal Neoplasm	19532884	17103228
SAMEA2466937	PRJEB6070	Illumina	48	Missing	24	normal	France	Colorectal Neoplasm	13315724	11659408
SAMEA2466938	PRJEB6070	Illumina	76	Missing	25	normal	France	Colorectal Neoplasm	24126968	21125863
SAMEA2466940	PRJEB6070	Illumina	44	Missing	26	pre-obesity	France	Health	20897712	18298287
SAMEA2466941	PRJEB6070	Illumina	59	Missing	20	normal	France	Colorectal Neoplasm	24460120	21417575
SAMEA2466942	PRJEB6070	Illumina	63	Missing	25	normal	France	Colorectal Neoplasm	24431280	23578623
SAMEA2466944	PRJEB6070	Illumina	80	Missing	29	pre-obesity	France	Colorectal Neoplasm	9002166	7882405
SAMEA2466946	PRJEB6070	Illumina	44	Missing	20	normal	France	Colorectal Neoplasm	71232782	62372279
SAMEA2466947	PRJEB6070	Illumina	78	Missing	19	normal	France	Colorectal Neoplasm	24548106	21494616
SAMEA2466948	PRJEB6070	Illumina	63	Missing	29	pre-obesity	France	Colorectal Neoplasm	20664182	18093806
SAMEA2466954	PRJEB6070	Illumina	87	Missing	15	underweight	France	Colorectal Neoplasm	23729286	20777648
SAMEA2466955	PRJEB6070	Illumina	56	Missing	23	normal	France	Colorectal Neoplasm	117226114	56128854
SAMEA2466956	PRJEB6070	Illumina	73	Missing	17	underweight	France	Colorectal Neoplasm	5707002	4997119
SAMEA2466957	PRJEB6070	Illumina	60	Missing	26	pre-obesity	France	Colorectal Neoplasm	46589448	40794280
SAMEA2466961	PRJEB6070	Illumina	46	Missing	29	pre-obesity	France	Health	24990526	21882004
SAMEA2466963	PRJEB6070	Illumina	72	Missing	22	normal	France	Colorectal Neoplasm	18221720	16800536
SAMEA2466964	PRJEB6070	Illumina	55	Missing	25	normal	France	Colorectal Neoplasm	27388274	23981501
SAMEA2466965	PRJEB6070	Illumina	35	Missing	23	normal	France	Health	21123106	18495645
SAMEA2466968	PRJEB6070	Illumina	80	Missing	23	normal	France	Colorectal Neoplasm	20921584	18319190
SAMEA2466970	PRJEB6070	Illumina	51	Missing	24	normal	France	Colorectal Neoplasm	18998892	16635658
SAMEA2466972	PRJEB6070	Illumina	64	Missing	21	normal	France	Colorectal Neoplasm	15511156	13581754
SAMEA2466973	PRJEB6070	Illumina	51	Missing	30	pre-obesity	France	Colorectal Neoplasm	10854306	9504161
SAMEA2466976	PRJEB6070	Illumina	67	Missing	25	normal	France	Colorectal Neoplasm	9418402	8246866
SAMEA2466978	PRJEB6070	Illumina	65	Missing	30	pre-obesity	France	Health	6324736	5538015
SAMEA2466979	PRJEB6070	Illumina	67	Missing	25	normal	France	Health	19690786	17241489

SAMEA2466980	PRJEB6070	Illumina	52	Missing	24	normal	France	Health	12267644	10741696
SAMEA2466981	PRJEB6070	Illumina	60	Missing	28	pre-obesity	France	Health	22307032	19532305
SAMEA2466982	PRJEB6070	Illumina	49	Missing	23	normal	France	Health	7086658	6205163
SAMEA2466983	PRJEB6070	Illumina	45	Missing	28	pre-obesity	France	Colorectal Neoplasm	12882250	11279853
SAMEA2466984	PRJEB6070	Illumina	79	Missing	22	normal	France	Colorectal Neoplasm	38571186	33773393
SAMEA2466985	PRJEB6070	Illumina	38	Missing	22	normal	France	Health	4156454	3639441
SAMEA2466986	PRJEB6070	Illumina	64	Missing	30	pre-obesity	France	Colorectal Neoplasm	18693340	16368113
SAMEA2466987	PRJEB6070	Illumina	69	Missing	24	normal	France	Colorectal Neoplasm	61990744	54279839
SAMEA2466988	PRJEB6070	Illumina	69	Missing	30	pre-obesity	France	Colorectal Neoplasm	11955142	10468066
SAMEA2466989	PRJEB6070	Illumina	75	Missing	37	obesity	France	Colorectal Neoplasm	21272542	18626493
SAMEA2466990	PRJEB6070	Illumina	69	Missing	25	normal	France	Colorectal Neoplasm	3925874	3437542
SAMEA2466991	PRJEB6070	Illumina	68	Missing	23	normal	France	Colorectal Neoplasm	9236066	8087210
SAMEA2466992	PRJEB6070	Illumina	65	Missing	26	pre-obesity	France	Colorectal Neoplasm	21913200	19187461
SAMEA2466993	PRJEB6070	Illumina	62	Missing	26	pre-obesity	France	Colorectal Neoplasm	25562422	22382763
SAMEA2466996	PRJEB6070	Illumina	73	Missing	40	obesity	France	Colorectal Neoplasm	12935132	11326157
SAMEA2466997	PRJEB6070	Illumina	82	Missing	24	normal	France	Colorectal Neoplasm	20941592	18336709
SAMEA2466998	PRJEB6070	Illumina	74	Missing	19	normal	France	Colorectal Neoplasm	19567758	17133764
SAMEA2467000	PRJEB6070	Illumina	81	Missing	39	obesity	France	Colorectal Neoplasm	1258924	1102329
SAMEA2467001	PRJEB6070	Illumina	74	Missing	26	pre-obesity	France	Colorectal Neoplasm	11126284	9742308
SAMEA2467002	PRJEB6070	Illumina	65	Missing	24	normal	France	Colorectal Neoplasm	16043020	14047461
SAMEA2467004	PRJEB6070	Illumina	53	Missing	25	normal	France	Colorectal Neoplasm	13293354	11639820
SAMEA2467005	PRJEB6070	Illumina	67	Missing	28	pre-obesity	France	Colorectal Neoplasm	5108208	4472808
SAMEA2467007	PRJEB6070	Illumina	54	Missing	22	normal	France	Colorectal Neoplasm	5235554	4584314
SAMEA2467009	PRJEB6070	Illumina	56	Missing	-99	missing	France	Colorectal Neoplasm	20109128	17607794
SAMEA2467010	PRJEB6070	Illumina	56	Missing	-99	missing	France	Health	18695850	16370311
SAMEA2467011	PRJEB6070	Illumina	70	Missing	22	normal	France	Health	14837768	12992128
SAMEA2467012	PRJEB6070	Illumina	80	Missing	21	normal	France	Health	16222260	14204406
SAMEA2467013	PRJEB6070	Illumina	74	Missing	27	pre-obesity	France	Health	17155648	15021691

SAMEA2467014	PRJEB6070	Illumina	62	Missing	21	normal	France	Health	15564038	13628058
SAMEA2467015	PRJEB6070	Illumina	63	Missing	27	pre-obesity	France	Health	16895200	14793640
SAMEA2467016	PRJEB6070	Illumina	69	Missing	25	normal	France	Health	15688354	13736911
SAMEA2467017	PRJEB6070	Illumina	61	Missing	24	normal	France	Health	18118842	15865075
SAMEA2467018	PRJEB6070	Illumina	68	Missing	25	normal	France	Health	15592326	13652828
SAMEA2467019	PRJEB6070	Illumina	63	Missing	21	normal	France	Health	15751474	13792180
SAMEA2467020	PRJEB6070	Illumina	62	Missing	24	normal	France	Health	14098976	12345233
SAMEA2467021	PRJEB6070	Illumina	65	Missing	24	normal	France	Health	14269376	12494437
SAMEA2467022	PRJEB6070	Illumina	70	Missing	25	normal	France	Health	17188860	15050772
SAMEA2467023	PRJEB6070	Illumina	66	Missing	28	pre-obesity	France	Health	14918630	13062931
SAMEA2467024	PRJEB6070	Illumina	63	Missing	25	normal	France	Health	9907200	8674863
SAMEA2467025	PRJEB6070	Illumina	67	Missing	27	pre-obesity	France	Health	14275312	12499634
SAMEA2467026	PRJEB6070	Illumina	61	Missing	23	normal	France	Health	19314122	16911677
SAMEA2467027	PRJEB6070	Illumina	71	Missing	23	normal	France	Health	12777324	11187978
SAMEA2467028	PRJEB6070	Illumina	63	Missing	-99	missing	France	Health	15840986	13870557
SAMEA2467029	PRJEB6070	Illumina	84	Missing	23	normal	France	Health	15102216	13223682
SAMEA2467030	PRJEB6070	Illumina	62	Missing	23	normal	France	Health	16148320	14139663
SAMEA2467031	PRJEB6070	Illumina	61	Missing	23	normal	France	Health	14987012	13122808
SAMEA2467032	PRJEB6070	Illumina	61	Missing	34	obesity	France	Health	14609324	12792099
SAMEA2467033	PRJEB6070	Illumina	67	Missing	23	normal	France	Health	14626542	12807176
SAMEA2467034	PRJEB6070	Illumina	63	Missing	22	normal	France	Health	13855312	12131877
SAMEA2467035	PRJEB6070	Illumina	67	Missing	21	normal	France	Health	17689824	15489422
SAMEA2467036	PRJEB6070	Illumina	77	Missing	22	normal	France	Health	16045800	14049895
SAMEA2467037	PRJEB6070	Illumina	67	Missing	28	pre-obesity	France	Health	17640862	15446550
SAMEA2467038	PRJEB6070	Illumina	62	Missing	20	normal	France	Health	17291262	15140437
SAMEA2467039	PRJEB6070	Illumina	72	Missing	25	normal	France	Health	17818474	15602070
SAMEA2467040	PRJEB6070	Illumina	64	Missing	30	pre-obesity	France	Health	18329426	16049465
SAMEA2467041	PRJEB6070	Illumina	66	Missing	25	normal	France	Health	12159440	10646952

SAMEA2467042	PRJEB6070	Illumina	74	Missing	27	pre-obesity	France	Health	16899776	14797647
SAMEA2467043	PRJEB6070	Illumina	72	Missing	28	pre-obesity	Germany	Colorectal Neoplasm	15403508	13487496
SAMEA2467044	PRJEB6070	Illumina	55	Missing	28	pre-obesity	Germany	Colorectal Neoplasm	14444682	12647937
SAMEA2467045	PRJEB6070	Illumina	53	Missing	31	obesity	Germany	Colorectal Neoplasm	16794772	14705704
SAMEA2467046	PRJEB6070	Illumina	77	Missing	26	pre-obesity	Germany	Colorectal Neoplasm	12021338	10526028
SAMEA2467047	PRJEB6070	Illumina	70	Missing	25	normal	Germany	Colorectal Neoplasm	34558782	30260084
SAMEA2467048	PRJEB6070	Illumina	67	Missing	30	pre-obesity	Germany	Colorectal Neoplasm	13568352	11880612
SAMEA2467049	PRJEB6070	Illumina	34	Missing	27	pre-obesity	Germany	Colorectal Neoplasm	16354142	14319883
SAMEA2467050	PRJEB6070	Illumina	79	Missing	26	pre-obesity	Germany	Colorectal Neoplasm	15553532	13618859
SAMEA2467051	PRJEB6070	Illumina	66	Missing	31	obesity	Germany	Colorectal Neoplasm	17018346	14901468
SAMEA2467052	PRJEB6070	Illumina	73	Missing	22	normal	Germany	Colorectal Neoplasm	11809190	10340268
SAMEA2467053	PRJEB6070	Illumina	58	Missing	32	obesity	Germany	Colorectal Neoplasm	18365300	16080877
SAMEA2467054	PRJEB6070	Illumina	59	Missing	24	normal	Germany	Colorectal Neoplasm	14422704	12628693
SAMEA2467055	PRJEB6070	Illumina	87	Missing	22	normal	Germany	Colorectal Neoplasm	13433942	11762921
SAMEA2467056	PRJEB6070	Illumina	71	Missing	30	pre-obesity	Germany	Colorectal Neoplasm	14436054	12640382
SAMEA2467057	PRJEB6070	Illumina	41	Missing	22	normal	Germany	Colorectal Neoplasm	13737102	12028371
SAMEA2467058	PRJEB6070	Illumina	42	Missing	27	pre-obesity	Germany	Colorectal Neoplasm	12130978	10622030
SAMEA2467059	PRJEB6070	Illumina	66	Missing	26	pre-obesity	Germany	Colorectal Neoplasm	18838912	16495577
SAMEA2467060	PRJEB6070	Illumina	72	Missing	24	normal	Germany	Colorectal Neoplasm	15139862	13256645
SAMEA2467061	PRJEB6070	Illumina	69	Missing	28	pre-obesity	Germany	Colorectal Neoplasm	19439298	17021283
SAMEA2467062	PRJEB6070	Illumina	53	Missing	32	obesity	Germany	Colorectal Neoplasm	14548692	12739009
SAMEA2467063	PRJEB6070	Illumina	74	Missing	26	pre-obesity	Germany	Colorectal Neoplasm	15085366	13208927
SAMEA2467064	PRJEB6070	Illumina	56	Missing	27	pre-obesity	Germany	Colorectal Neoplasm	8329924	7293781
SAMEA2467065	PRJEB6070	Illumina	66	Missing	23	normal	Germany	Colorectal Neoplasm	14599164	12783203
SAMEA2467066	PRJEB6070	Illumina	42	Missing	35	obesity	Germany	Colorectal Neoplasm	19140306	16759482
SAMEA2467067	PRJEB6070	Illumina	51	Missing	28	pre-obesity	Germany	Colorectal Neoplasm	16416026	14374069
SAMEA2467068	PRJEB6070	Illumina	65	Missing	28	pre-obesity	Germany	Colorectal Neoplasm	25629144	22441186
SAMEA2467069	PRJEB6070	Illumina	51	Missing	30	pre-obesity	Germany	Colorectal Neoplasm	15794202	13829593

SAMEA2467070	PRJEB6070	Illumina	58	Missing	25	normal	Germany	Colorectal Neoplasm	16224082	14206001
SAMEA2467071	PRJEB6070	Illumina	49	Missing	30	pre-obesity	Germany	Colorectal Neoplasm	28049000	24560041
SAMEA2467072	PRJEB6070	Illumina	62	Missing	22	normal	Germany	Colorectal Neoplasm	18820358	16479331
SAMEA2467073	PRJEB6070	Illumina	62	Missing	27	pre-obesity	Germany	Colorectal Neoplasm	7653968	6701906
SAMEA2467074	PRJEB6070	Illumina	68	Missing	23	normal	Germany	Colorectal Neoplasm	15506400	13577590
SAMEA2467075	PRJEB6070	Illumina	43	Missing	22	normal	Germany	Colorectal Neoplasm	13937902	12204194
SAMEA2467076	PRJEB6070	Illumina	35	Missing	22	normal	Germany	Colorectal Neoplasm	11416014	9995999
SAMEA2467077	PRJEB6070	Illumina	75	Missing	28	pre-obesity	Germany	Colorectal Neoplasm	12881600	11279284
SAMEA2467078	PRJEB6070	Illumina	63	Missing	25	normal	Germany	Colorectal Neoplasm	12713840	11132391
SAMEA2467079	PRJEB6070	Illumina	90	Missing	28	pre-obesity	Germany	Colorectal Neoplasm	15585230	13646614
SAMEA2467080	PRJEB6070	Illumina	69	Missing	24	normal	Germany	Colorectal Neoplasm	16672120	14598308
SAMEA2467081	PRJEB6070	Illumina	49	Missing	26	pre-obesity	Germany	Health	27657860	24217554
SAMEA2467082	PRJEB6070	Illumina	34	Missing	23	normal	Germany	Health	31333412	27435912
SAMEA2467083	PRJEB6070	Illumina	30	Missing	31	obesity	Germany	Health	23593688	20658916
SAMEA2467084	PRJEB6070	Illumina	37	Missing	25	normal	Germany	Health	16549564	14490997
SAMEA2467085	PRJEB6070	Illumina	34	Missing	21	normal	Germany	Health	20575868	10405973
SAMEA3136623	PRJEB7774	Illumina HiSeq 2000	63	Male	30.4	obesity	Austria	Health	1000629	876163
SAMEA3136624	PRJEB7774	Illumina HiSeq 2000	65	Male	22.03	normal	Austria	Health	47262846	16851865
SAMEA3136626	PRJEB7774	Illumina HiSeq 2000	72	Female	30	pre-obesity	Austria	Health	2412624	2112523
SAMEA3136627	PRJEB7774	Illumina HiSeq 2000	84	Female	27.77	pre-obesity	Austria	Colorectal Neoplasm	973573	852472
SAMEA3136628	PRJEB7774	Illumina HiSeq 2000	72	Female	24.22	normal	Austria	Colorectal Neoplasm	56240176	22240799
SAMEA3136629	PRJEB7774	Illumina HiSeq 2000	68	Male	29.8	pre-obesity	Austria	Health	61330000	24064825
SAMEA3136630	PRJEB7774	Illumina HiSeq 2000	67	Male	29.4	pre-obesity	Austria	Colorectal Neoplasm	53235370	27017707
SAMEA3136632	PRJEB7774	Illumina HiSeq 2000	67	Male	23.14	normal	Austria	Health	39025470	34171170
SAMEA3136633	PRJEB7774	Illumina HiSeq 2000	70	Male	23.67	normal	Austria	Health	45171026	32008167
SAMEA3136635	PRJEB7774	Illumina HiSeq 2000	70	Female	22.67	normal	Austria	Health	57108240	30105753
SAMEA3136636	PRJEB7774	Illumina HiSeq 2000	66	Male	30.02	obesity	Austria	Health	51098750	25800701
SAMEA3136637	PRJEB7774	Illumina HiSeq 2000	69	Male	29.94	pre-obesity	Austria	Colorectal Neoplasm	798802	699441

SAMEA3136638	PRJEB7774	Illumina HiSeq 2000	71	Male	29.74	pre-obesity	Austria	Colorectal Neoplasm	1096236	959877
SAMEA3136639	PRJEB7774	Illumina HiSeq 2000	68	Male	32.25	obesity	Austria	Colorectal Neoplasm	1249111	1093737
SAMEA3136640	PRJEB7774	Illumina HiSeq 2000	66	Male	29.98	pre-obesity	Austria	Health	1120976	981540
SAMEA3136641	PRJEB7774	Illumina HiSeq 2000	70	Male	31.25	obesity	Austria	Health	1267704	1110017
SAMEA3136642	PRJEB7774	Illumina HiSeq 2000	72	Female	24.22	normal	Austria	Colorectal Neoplasm	1050976	920247
SAMEA3136643	PRJEB7774	Illumina HiSeq 2000	69	Female	22.4	normal	Austria	Health	887422	777037
SAMEA3136644	PRJEB7774	Illumina HiSeq 2000	63	Male	30.9	obesity	Austria	Health	57709000	29918810
SAMEA3136645	PRJEB7774	Illumina HiSeq 2000	71	Female	29	pre-obesity	Austria	Health	688532	602887
SAMEA3136646	PRJEB7774	Illumina HiSeq 2000	72	Male	29.03	pre-obesity	Austria	Health	989504	866422
SAMEA3136647	PRJEB7774	Illumina HiSeq 2000	58	Male	27.76	pre-obesity	Austria	Colorectal Neoplasm	997135	873103
SAMEA3136648	PRJEB7774	Illumina HiSeq 2000	52	Female	27.14	pre-obesity	Austria	Colorectal Neoplasm	2028082	1775813
SAMEA3136649	PRJEB7774	Illumina HiSeq 2000	74	Male	26.37	pre-obesity	Austria	Colorectal Neoplasm	821564	719371
SAMEA3136650	PRJEB7774	Illumina HiSeq 2000	74	Female	28.5	pre-obesity	Austria	Health	1050429	919768
SAMEA3136651	PRJEB7774	Illumina HiSeq 2000	64	Male	29.3	pre-obesity	Austria	Health	923475	808606
SAMEA3136652	PRJEB7774	Illumina HiSeq 2000	71	Male	29.04	pre-obesity	Austria	Health	845226	740090
SAMEA3136653	PRJEB7774	Illumina HiSeq 2000	73	Female	29.75	pre-obesity	Austria	Colorectal Neoplasm	62445124	21261165
SAMEA3136654	PRJEB7774	Illumina HiSeq 2000	68	Male	22.2	normal	Austria	Health	55960176	27246536
SAMEA3136655	PRJEB7774	Illumina HiSeq 2000	70	Female	31	obesity	Austria	Health	1620920	1419297
SAMEA3136656	PRJEB7774	Illumina HiSeq 2000	70	Male	31.6	obesity	Austria	Health	1236343	1082557
SAMEA3136657	PRJEB7774	Illumina HiSeq 2000	60	Female	30.08	obesity	Austria	Colorectal Neoplasm	1354458	1185980
SAMEA3136658	PRJEB7774	Illumina HiSeq 2000	86	Female	20.5	normal	Austria	Colorectal Neoplasm	1207182	1057023
SAMEA3136659	PRJEB7774	Illumina HiSeq 2000	72	Male	28.41	pre-obesity	Austria	Colorectal Neoplasm	64862254	29327245
SAMEA3136660	PRJEB7774	Illumina HiSeq 2000	43	Male	22.68	normal	Austria	Colorectal Neoplasm	1063319	931055
SAMEA3136662	PRJEB7774	Illumina HiSeq 2000	68	Female	22.4	normal	Austria	Health	55572074	28653319
SAMEA3136663	PRJEB7774	Illumina HiSeq 2000	66	Male	30.3	obesity	Austria	Health	1311047	1147968
SAMEA3136664	PRJEB7774	Illumina HiSeq 2000	67	Female	30	pre-obesity	Austria	Health	841486	736815
SAMEA3136665	PRJEB7774	Illumina HiSeq 2000	72	Male	29.03	pre-obesity	Austria	Health	45406014	23923499
SAMEA3136666	PRJEB7774	Illumina HiSeq 2000	70	Male	31.25	obesity	Austria	Health	59573400	23272727

SAMEA3136667	PRJEB7774	Illumina HiSeq 2000	72	Male	31.8	obesity	Austria	Health	58730900	24640089
SAMEA3136668	PRJEB7774	Illumina HiSeq 2000	67	Male	22.79	normal	Austria	Health	2119194	1855592
SAMEA3136669	PRJEB7774	Illumina HiSeq 2000	73	Female	26.56	pre-obesity	Austria	Health	577988	506093
SAMEA3136670	PRJEB7774	Illumina HiSeq 2000	74	Male	24.34	normal	Austria	Colorectal Neoplasm	642016	562157
SAMEA3136671	PRJEB7774	Illumina HiSeq 2000	69	Female	28.3	pre-obesity	Austria	Health	1029926	901816
SAMEA3136672	PRJEB7774	Illumina HiSeq 2000	52	Male	25.73	pre-obesity	Austria	Colorectal Neoplasm	805331	705157
SAMEA3136673	PRJEB7774	Illumina HiSeq 2000	64	Male	22.78	normal	Austria	Health	707032	619086
SAMEA3136675	PRJEB7774	Illumina HiSeq 2000	60	Male	26.64	pre-obesity	Austria	Colorectal Neoplasm	750885	657484
SAMEA3136676	PRJEB7774	Illumina HiSeq 2000	82	Male	30.47	obesity	Austria	Colorectal Neoplasm	46848766	28013273
SAMEA3136677	PRJEB7774	Illumina HiSeq 2000	68	Male	22.2	normal	Austria	Health	1003849	878982
SAMEA3136679	PRJEB7774	Illumina HiSeq 2000	75	Female	31	obesity	Austria	Health	40326384	22488255
SAMEA3136680	PRJEB7774	Illumina HiSeq 2000	74	Female	28.3	pre-obesity	Austria	Health	645164	564913
SAMEA3136681	PRJEB7774	Illumina HiSeq 2000	70	Male	28.72	pre-obesity	Austria	Health	529613	463735
SAMEA3136682	PRJEB7774	Illumina HiSeq 2000	69	Female	28.3	pre-obesity	Austria	Health	58199812	34945991
SAMEA3136683	PRJEB7774	Illumina HiSeq 2000	69	Female	22.4	normal	Austria	Health	49574276	28469727
SAMEA3136684	PRJEB7774	Illumina HiSeq 2000	73	Male	24.82	normal	Austria	Colorectal Neoplasm	55822274	27318979
SAMEA3136685	PRJEB7774	Illumina HiSeq 2000	71	Female	29	pre-obesity	Austria	Health	49561528	33256048
SAMEA3136686	PRJEB7774	Illumina HiSeq 2000	73	Female	32	obesity	Austria	Health	513641	449750
SAMEA3136687	PRJEB7774	Illumina HiSeq 2000	66	Male	29.98	pre-obesity	Austria	Health	43035328	37260502
SAMEA3136688	PRJEB7774	Illumina HiSeq 2000	74	Female	29.17	pre-obesity	Austria	Colorectal Neoplasm	60455004	37065832
SAMEA3136689	PRJEB7774	Illumina HiSeq 2000	82	Male	30.47	obesity	Austria	Colorectal Neoplasm	605263	529976
SAMEA3136690	PRJEB7774	Illumina HiSeq 2000	63	Male	25.88	pre-obesity	Austria	Colorectal Neoplasm	864213	756715
SAMEA3136691	PRJEB7774	Illumina HiSeq 2000	65	Female	23.31	normal	Austria	Colorectal Neoplasm	986297	863613
SAMEA3136692	PRJEB7774	Illumina HiSeq 2000	65	Male	31.22	obesity	Austria	Health	838838	734497
SAMEA3136693	PRJEB7774	Illumina HiSeq 2000	71	Female	29	pre-obesity	Austria	Health	696207	609607
SAMEA3136694	PRJEB7774	Illumina HiSeq 2000	72	Female	28.7	pre-obesity	Austria	Health	974418	853212
SAMEA3136695	PRJEB7774	Illumina HiSeq 2000	65	Male	28.9	pre-obesity	Austria	Health	1192584	1044241
SAMEA3136696	PRJEB7774	Illumina HiSeq 2000	74	Female	28.5	pre-obesity	Austria	Health	54288710	25058842

SAMEA3136697	PRJEB7774	Illumina HiSeq 2000	46	Male	30.86	obesity	Austria	Colorectal Neoplasm	55343590	31800577
SAMEA3136699	PRJEB7774	Illumina HiSeq 2000	64	Female	24.09	normal	Austria	Colorectal Neoplasm	953760	835124
SAMEA3136700	PRJEB7774	Illumina HiSeq 2000	72	Male	28.41	pre-obesity	Austria	Colorectal Neoplasm	1003875	879005
SAMEA3136701	PRJEB7774	Illumina HiSeq 2000	73	Female	29.75	pre-obesity	Austria	Colorectal Neoplasm	1366774	1196764
SAMEA3136702	PRJEB7774	Illumina HiSeq 2000	73	Male	17.99	underweight	Austria	Colorectal Neoplasm	932348	816375
SAMEA3136703	PRJEB7774	Illumina HiSeq 2000	74	Female	28.3	pre-obesity	Austria	Health	42355128	27825403
SAMEA3136704	PRJEB7774	Illumina HiSeq 2000	84	Male	27.28	pre-obesity	Austria	Colorectal Neoplasm	59854508	33281169
SAMEA3136707	PRJEB7774	Illumina HiSeq 2000	63	Male	34.14	obesity	Austria	Health	44964196	21913700
SAMEA3136708	PRJEB7774	Illumina HiSeq 2000	84	Female	27.77	pre-obesity	Austria	Colorectal Neoplasm	55773544	29045067
SAMEA3136709	PRJEB7774	Illumina HiSeq 2000	73	Female	32	obesity	Austria	Health	38907566	18326444
SAMEA3136710	PRJEB7774	Illumina HiSeq 2000	74	Male	26.37	pre-obesity	Austria	Colorectal Neoplasm	48893486	27897873
SAMEA3136711	PRJEB7774	Illumina HiSeq 2000	74	Female	28.5	pre-obesity	Austria	Health	1221204	1069301
SAMEA3136712	PRJEB7774	Illumina HiSeq 2000	68	Male	32	obesity	Austria	Health	1158189	1014124
SAMEA3136713	PRJEB7774	Illumina HiSeq 2000	65	Male	29.06	pre-obesity	Austria	Health	796558	697476
SAMEA3136714	PRJEB7774	Illumina HiSeq 2000	67	Male	22.79	normal	Austria	Health	50768166	37166677
SAMEA3136715	PRJEB7774	Illumina HiSeq 2000	66	Male	34.04	obesity	Austria	Health	1308363	1145618
SAMEA3136716	PRJEB7774	Illumina HiSeq 2000	84	Female	31.22	obesity	Austria	Colorectal Neoplasm	63160316	27588583
SAMEA3136717	PRJEB7774	Illumina HiSeq 2000	54	Male	27.34	pre-obesity	Austria	Colorectal Neoplasm	914188	800474
SAMEA3136718	PRJEB7774	Illumina HiSeq 2000	55	Female	23.34	normal	Austria	Colorectal Neoplasm	632227	553586
SAMEA3136719	PRJEB7774	Illumina HiSeq 2000	66	Male	30.02	obesity	Austria	Health	1831666	1603829
SAMEA3136720	PRJEB7774	Illumina HiSeq 2000	77	Male	19.16	normal	Austria	Colorectal Neoplasm	1740177	1523720
SAMEA3136721	PRJEB7774	Illumina HiSeq 2000	72	Female	28.7	pre-obesity	Austria	Health	65637426	33585489
SAMEA3136722	PRJEB7774	Illumina HiSeq 2000	72	Male	31.8	obesity	Austria	Health	919201	804863
SAMEA3136723	PRJEB7774	Illumina HiSeq 2000	65	Male	29.74	pre-obesity	Austria	Colorectal Neoplasm	723215	633256
SAMEA3136724	PRJEB7774	Illumina HiSeq 2000	67	Male	29.4	pre-obesity	Austria	Colorectal Neoplasm	768272	672708
SAMEA3136725	PRJEB7774	Illumina HiSeq 2000	66	Female	21.7	normal	Austria	Health	1343416	1176311
SAMEA3136727	PRJEB7774	Illumina HiSeq 2000	84	Female	31.22	obesity	Austria	Colorectal Neoplasm	1187144	1039478
SAMEA3136728	PRJEB7774	Illumina HiSeq 2000	69	Female	30	pre-obesity	Austria	Health	58615384	28181861

SAMEA3136729	PRJEB7774	Illumina HiSeq 2000	64	Male	29.3	pre-obesity	Austria	Health	47527996	13420535
SAMEA3136730	PRJEB7774	Illumina HiSeq 2000	46	Male	28.74	pre-obesity	Austria	Health	678781	594349
SAMEA3136731	PRJEB7774	Illumina HiSeq 2000	67	Female	22.58	normal	Austria	Health	1146725	1004086
SAMEA3136732	PRJEB7774	Illumina HiSeq 2000	64	Female	24.09	normal	Austria	Colorectal Neoplasm	44249602	22750213
SAMEA3136733	PRJEB7774	Illumina HiSeq 2000	46	Male	23.15	normal	Austria	Health	1105483	967974
SAMEA3136734	PRJEB7774	Illumina HiSeq 2000	72	Male	31.8	obesity	Austria	Health	743329	650868
SAMEA3136735	PRJEB7774	Illumina HiSeq 2000	74	Female	29.17	pre-obesity	Austria	Colorectal Neoplasm	1151888	1008607
SAMEA3136736	PRJEB7774	Illumina HiSeq 2000	43	Female	22.65	normal	Austria	Health	493903	432467
SAMEA3136737	PRJEB7774	Illumina HiSeq 2000	47	Female	25.78	pre-obesity	Austria	Colorectal Neoplasm	50738108	21582236
SAMEA3136738	PRJEB7774	Illumina HiSeq 2000	68	Male	23.45	normal	Austria	Health	918792	804505
SAMEA3136739	PRJEB7774	Illumina HiSeq 2000	56	Female	20.07	normal	Austria	Colorectal Neoplasm	1180838	1033956
SAMEA3136740	PRJEB7774	Illumina HiSeq 2000	47	Female	25.78	pre-obesity	Austria	Colorectal Neoplasm	1011350	885550
SAMEA3136741	PRJEB7774	Illumina HiSeq 2000	77	Female	23.5	normal	Austria	Colorectal Neoplasm	775100	678687
SAMEA3136743	PRJEB7774	Illumina HiSeq 2000	64	Male	29.38	pre-obesity	Austria	Health	718369	629013
SAMEA3136744	PRJEB7774	Illumina HiSeq 2000	45	Female	22.15	normal	Austria	Colorectal Neoplasm	765051	669888
SAMEA3136745	PRJEB7774	Illumina HiSeq 2000	72	Male	24.34	normal	Austria	Colorectal Neoplasm	975423	854092
SAMEA3136746	PRJEB7774	Illumina HiSeq 2000	56	Female	20.07	normal	Austria	Colorectal Neoplasm	57372900	24021715
SAMEA3136747	PRJEB7774	Illumina HiSeq 2000	73	Male	29.7	pre-obesity	Austria	Health	822780	720436
SAMEA3136748	PRJEB7774	Illumina HiSeq 2000	64	Male	29.35	pre-obesity	Austria	Colorectal Neoplasm	785424	687727
SAMEA3136749	PRJEB7774	Illumina HiSeq 2000	73	Male	24.82	normal	Austria	Colorectal Neoplasm	1019982	893108
SAMEA3136750	PRJEB7774	Illumina HiSeq 2000	69	Female	30	pre-obesity	Austria	Health	1531659	1341139
SAMEA3136752	PRJEB7774	Illumina HiSeq 2000	70	Female	22.8	normal	Austria	Health	797017	697878
SAMEA3136753	PRJEB7774	Illumina HiSeq 2000	70	Female	22.8	normal	Austria	Health	41122250	15957187
SAMEA3136754	PRJEB7774	Illumina HiSeq 2000	68	Female	21.7	normal	Austria	Health	57206702	20735007
SAMEA3136755	PRJEB7774	Illumina HiSeq 2000	84	Male	27.28	pre-obesity	Austria	Colorectal Neoplasm	1175338	1029140
SAMEA3136756	PRJEB7774	Illumina HiSeq 2000	63	Male	30.9	obesity	Austria	Health	1339476	1172861
SAMEA3136757	PRJEB7774	Illumina HiSeq 2000	46	Male	30.86	obesity	Austria	Colorectal Neoplasm	995090	871313
SAMEA3136759	PRJEB7774	Illumina HiSeq 2000	72	Female	26.67	pre-obesity	Austria	Colorectal Neoplasm	54123104	15319764

SAMEA3136760	PRJEB7774	Illumina HiSeq 2000	60	Male	26.64	pre-obesity	Austria	Colorectal Neoplasm	46523360	19226010
SAMEA3136761	PRJEB7774	Illumina HiSeq 2000	67	Male	23.14	normal	Austria	Health	796421	697356
SAMEA3136763	PRJEB7774	Illumina HiSeq 2000	68	Male	29.8	pre-obesity	Austria	Health	1391334	1218269
SAMEA3136764	PRJEB7774	Illumina HiSeq 2000	43	Male	22.68	normal	Austria	Colorectal Neoplasm	72405312	28266713
SAMEA3136765	PRJEB7774	Illumina HiSeq 2000	65	Male	28.03	pre-obesity	Austria	Colorectal Neoplasm	831673	728223
SAMEA3136766	PRJEB7774	Illumina HiSeq 2000	68	Female	21.7	normal	Austria	Health	1239365	1085203
SAMEA3136767	PRJEB7774	Illumina HiSeq 2000	65	Male	28.9	pre-obesity	Austria	Health	46237716	20307233
SAMEA3136768	PRJEB7774	Illumina HiSeq 2000	71	Male	29.74	pre-obesity	Austria	Colorectal Neoplasm	54833492	25766027
SAMEA3136769	PRJEB7774	Illumina HiSeq 2000	60	Female	22.1	normal	Austria	Health	1110550	972411
SAMEA3178936	PRJEB7774	Illumina HiSeq 2000	55	Male	27.76	pre-obesity	Austria	Health	47995184	31353428
SAMEA3178937	PRJEB7774	Illumina HiSeq 2000	64	Male	29.35	pre-obesity	Austria	Colorectal Neoplasm	40112916	32857847
SAMEA3178938	PRJEB7774	Illumina HiSeq 2000	68	Male	32	obesity	Austria	Health	64949772	28935282
SAMEA3178939	PRJEB7774	Illumina HiSeq 2000	60	Female	22.1	normal	Austria	Health	59678576	20939050
SAMEA3178940	PRJEB7774	Illumina HiSeq 2000	78	Male	31.22	obesity	Austria	Health	34603738	20209060
SAMEA3178941	PRJEB7774	Illumina HiSeq 2000	68	Male	23.45	normal	Austria	Health	51026634	23208299
SAMEA3178943	PRJEB7774	Illumina HiSeq 2000	66	Male	30.3	obesity	Austria	Health	49525344	19750204
SAMEA3178944	PRJEB7774	Illumina HiSeq 2000	73	Male	29.7	pre-obesity	Austria	Health	39671196	31472708
SAMEA3541469	PRJEB10878	Illumina HiSeq 2000	64	Male	23.1	normal	China	Colorectal Neoplasm	60749206	27350066
SAMEA3541470	PRJEB10878	Illumina HiSeq 2000	73	Male	23.8	normal	China	Colorectal Neoplasm	52854792	16904482
SAMEA3541471	PRJEB10878	Illumina HiSeq 2000	67	Female	24.7	normal	China	Colorectal Neoplasm	59873382	16236302
SAMEA3541472	PRJEB10878	Illumina HiSeq 2000	56	Male	25.6	pre-obesity	China	Colorectal Neoplasm	55761702	16003276
SAMEA3541473	PRJEB10878	Illumina HiSeq 2000	59	Female	20.7	normal	China	Colorectal Neoplasm	64434830	14666858
SAMEA3541474	PRJEB10878	Illumina HiSeq 2000	61	Male	25.2	pre-obesity	China	Colorectal Neoplasm	52102228	12867370
SAMEA3541475	PRJEB10878	Illumina HiSeq 2000	60	Male	23.2	normal	China	Colorectal Neoplasm	62456910	16234350
SAMEA3541476	PRJEB10878	Illumina HiSeq 2000	73	Female	17.7	underweight	China	Colorectal Neoplasm	60073374	13258372
SAMEA3541477	PRJEB10878	Illumina HiSeq 2000	62	Male	21.7	normal	China	Health	61229038	15088496
SAMEA3541478	PRJEB10878	Illumina HiSeq 2000	72	Female	26.3	pre-obesity	China	Colorectal Neoplasm	61472286	14904884
SAMEA3541479	PRJEB10878	Illumina HiSeq 2000	65	Male	20.7	normal	China	Health	64164216	18036644

SAMEA3541480	PRJEB10878	Illumina HiSeq 2000	65	Male	24.8	normal	China	Colorectal Neoplasm	66150638	17123814
SAMEA3541481	PRJEB10878	Illumina HiSeq 2000	71	Male	25.8	pre-obesity	China	Colorectal Neoplasm	60074902	18639490
SAMEA3541482	PRJEB10878	Illumina HiSeq 2000	50	Male	25.2	pre-obesity	China	Colorectal Neoplasm	57351612	13118610
SAMEA3541483	PRJEB10878	Illumina HiSeq 2000	55	Male	22.2	normal	China	Colorectal Neoplasm	29589862	8178986
SAMEA3541484	PRJEB10878	Illumina HiSeq 2000	77	Male	21.7	normal	China	Colorectal Neoplasm	58546892	17501556
SAMEA3541485	PRJEB10878	Illumina HiSeq 2000	45	Female	23	normal	China	Colorectal Neoplasm	56584998	12396372
SAMEA3541486	PRJEB10878	Illumina HiSeq 2000	89	Female	23.7	normal	China	Colorectal Neoplasm	51292156	14738594
SAMEA3541487	PRJEB10878	Illumina HiSeq 2000	58	Female	21.6	normal	China	Health	54116632	15575598
SAMEA3541488	PRJEB10878	Illumina HiSeq 2000	58	Female	23.9	normal	China	Colorectal Neoplasm	56648482	8698220
SAMEA3541489	PRJEB10878	Illumina HiSeq 2000	68	Male	21.7	normal	China	Health	57035188	15259686
SAMEA3541490	PRJEB10878	Illumina HiSeq 2000	64	Female	29.1	pre-obesity	China	Colorectal Neoplasm	62258080	17670422
SAMEA3541491	PRJEB10878	Illumina HiSeq 2000	75	Female	28.7	pre-obesity	China	Colorectal Neoplasm	45637278	11959004
SAMEA3541492	PRJEB10878	Illumina HiSeq 2000	73	Male	22.7	normal	China	Colorectal Neoplasm	58822118	10100266
SAMEA3541493	PRJEB10878	Illumina HiSeq 2000	62	Female	21.4	normal	China	Health	56134340	17311674
SAMEA3541494	PRJEB10878	Illumina HiSeq 2000	80	Male	24	normal	China	Colorectal Neoplasm	60820472	13220342
SAMEA3541495	PRJEB10878	Illumina HiSeq 2000	67	Male	23.1	normal	China	Colorectal Neoplasm	61937738	15047782
SAMEA3541496	PRJEB10878	Illumina HiSeq 2000	61	Female	22	normal	China	Colorectal Neoplasm	59665954	14204468
SAMEA3541497	PRJEB10878	Illumina HiSeq 2000	63	Male	24.4	normal	China	Colorectal Neoplasm	57476278	14709040
SAMEA3541498	PRJEB10878	Illumina HiSeq 2000	51	Female	19.6	normal	China	Colorectal Neoplasm	62349482	22672076
SAMEA3541499	PRJEB10878	Illumina HiSeq 2000	64	Male	-99	missing	China	Colorectal Neoplasm	71617186	29181190
SAMEA3541500	PRJEB10878	Illumina HiSeq 2000	74	Female	28.7	pre-obesity	China	Colorectal Neoplasm	47029284	13401718
SAMEA3541501	PRJEB10878	Illumina HiSeq 2000	68	Male	20.4	normal	China	Health	63330138	25374498
SAMEA3541502	PRJEB10878	Illumina HiSeq 2000	83	Female	30.4	obesity	China	Colorectal Neoplasm	62319068	37104138
SAMEA3541503	PRJEB10878	Illumina HiSeq 2000	70	Male	24.6	normal	China	Colorectal Neoplasm	72370444	40057888
SAMEA3541504	PRJEB10878	Illumina HiSeq 2000	56	Male	25.9	pre-obesity	China	Colorectal Neoplasm	68159682	37173018
SAMEA3541505	PRJEB10878	Illumina HiSeq 2000	54	Male	17.9	underweight	China	Colorectal Neoplasm	61187040	16520770
SAMEA3541506	PRJEB10878	Illumina HiSeq 2000	74	Male	26.8	pre-obesity	China	Colorectal Neoplasm	57034986	24532314
SAMEA3541507	PRJEB10878	Illumina HiSeq 2000	57	Male	23.2	normal	China	Colorectal Neoplasm	61334626	34197210

SAMEA3541508	PRJEB10878	Illumina HiSeq 2000	54	Female	29.7	pre-obesity	China	Colorectal Neoplasm	50308904	21996212
SAMEA3541509	PRJEB10878	Illumina HiSeq 2000	62	Male	22.7	normal	China	Colorectal Neoplasm	43205192	24159050
SAMEA3541510	PRJEB10878	Illumina HiSeq 2000	54	Female	25.6	pre-obesity	China	Colorectal Neoplasm	68438974	35624968
SAMEA3541511	PRJEB10878	Illumina HiSeq 2000	69	Male	29	pre-obesity	China	Colorectal Neoplasm	72260226	42079266
SAMEA3541512	PRJEB10878	Illumina HiSeq 2000	64	Male	24.8	normal	China	Colorectal Neoplasm	62569760	32766872
SAMEA3541513	PRJEB10878	Illumina HiSeq 2000	44	Male	22.5	normal	China	Colorectal Neoplasm	58539128	17243498
SAMEA3541514	PRJEB10878	Illumina HiSeq 2000	60	Male	17.3	underweight	China	Colorectal Neoplasm	59984388	28880140
SAMEA3541515	PRJEB10878	Illumina HiSeq 2000	73	Male	24.5	normal	China	Colorectal Neoplasm	53627618	32010090
SAMEA3541516	PRJEB10878	Illumina HiSeq 2000	62	Female	32.5	obesity	China	Health	66064102	35399928
SAMEA3541517	PRJEB10878	Illumina HiSeq 2000	58	Male	22.3	normal	China	Health	70428992	42132850
SAMEA3541518	PRJEB10878	Illumina HiSeq 2000	64	Male	24.8	normal	China	Health	61617318	25212820
SAMEA3541519	PRJEB10878	Illumina HiSeq 2000	65	Female	35.1	obesity	China	Health	68472136	37663122
SAMEA3541520	PRJEB10878	Illumina HiSeq 2000	62	Male	23.5	normal	China	Health	69534266	39607934
SAMEA3541521	PRJEB10878	Illumina HiSeq 2000	69	Female	24.9	normal	China	Health	68004090	37969864
SAMEA3541522	PRJEB10878	Illumina HiSeq 2000	55	Male	26.4	pre-obesity	China	Health	72077438	39841820
SAMEA3541523	PRJEB10878	Illumina HiSeq 2000	64	Female	26.4	pre-obesity	China	Health	59159772	29133944
SAMEA3541524	PRJEB10878	Illumina HiSeq 2000	59	Male	25.6	pre-obesity	China	Health	67478554	40763312
SAMEA3541525	PRJEB10878	Illumina HiSeq 2000	70	Male	21	normal	China	Colorectal Neoplasm	67318902	38989784
SAMEA3541526	PRJEB10878	Illumina HiSeq 2000	71	Female	26.7	pre-obesity	China	Health	63843786	21603192
SAMEA3541527	PRJEB10878	Illumina HiSeq 2000	51	Male	21.9	normal	China	Health	63808150	36697432
SAMEA3541528	PRJEB10878	Illumina HiSeq 2000	50	Male	20.5	normal	China	Health	60520634	35781436
SAMEA3541529	PRJEB10878	Illumina HiSeq 2000	64	Male	24.7	normal	China	Health	52698148	18292832
SAMEA3541530	PRJEB10878	Illumina HiSeq 2000	50	Male	23.3	normal	China	Health	52788942	29854694
SAMEA3541531	PRJEB10878	Illumina HiSeq 2000	66	Female	22.4	normal	China	Health	57114396	29423990
SAMEA3541532	PRJEB10878	Illumina HiSeq 2000	52	Male	28.4	pre-obesity	China	Health	58591508	33840976
SAMEA3541533	PRJEB10878	Illumina HiSeq 2000	64	Male	25.6	pre-obesity	China	Health	49693868	21858718
SAMEA3541534	PRJEB10878	Illumina HiSeq 2000	58	Male	23.1	normal	China	Health	47524484	23581526
SAMEA3541535	PRJEB10878	Illumina HiSeq 2000	64	Female	17.1	underweight	China	Health	55499678	21060354

SAMEA3541536	PRJEB10878	Illumina HiSeq 2000	65	Male	22.4	normal	China	Health	46313860	15056366
SAMEA3541537	PRJEB10878	Illumina HiSeq 2000	53	Male	19.7	normal	China	Health	48490500	13270056
SAMEA3541538	PRJEB10878	Illumina HiSeq 2000	64	Female	21.1	normal	China	Health	56707948	31205946
SAMEA3541539	PRJEB10878	Illumina HiSeq 2000	68	Female	24.9	normal	China	Health	44019090	13859938
SAMEA3541540	PRJEB10878	Illumina HiSeq 2000	53	Male	23.4	normal	China	Health	44904362	25335940
SAMEA3541541	PRJEB10878	Illumina HiSeq 2000	64	Female	22.7	normal	China	Health	61595372	35074438
SAMEA3541542	PRJEB10878	Illumina HiSeq 2000	61	Male	21.5	normal	China	Health	57962360	21303138
SAMEA3541543	PRJEB10878	Illumina HiSeq 2000	62	Female	21.1	normal	China	Health	56561906	19451774
SAMEA3541544	PRJEB10878	Illumina HiSeq 2000	64	Male	24.1	normal	China	Health	61955812	26342354
SAMEA3541545	PRJEB10878	Illumina HiSeq 2000	55	Male	22.3	normal	China	Health	54321366	20752186
SAMEA3541546	PRJEB10878	Illumina HiSeq 2000	64	Female	22.6	normal	China	Health	77263508	42965194
SAMEA3541547	PRJEB10878	Illumina HiSeq 2000	71	Female	22.6	normal	China	Health	55579348	33139642
SAMEA3541548	PRJEB10878	Illumina HiSeq 2000	64	Female	22.2	normal	China	Health	59038886	15563346
SAMEA3541549	PRJEB10878	Illumina HiSeq 2000	65	Male	22.5	normal	China	Health	62784088	37041932
SAMEA3541550	PRJEB10878	Illumina HiSeq 2000	73	Female	24.1	normal	China	Health	61975626	35657644
SAMEA3541551	PRJEB10878	Illumina HiSeq 2000	54	Male	27.7	pre-obesity	China	Health	51471774	16980202
SAMEA3541552	PRJEB10878	Illumina HiSeq 2000	65	Female	21.2	normal	China	Health	58364678	33013524
SAMEA3541553	PRJEB10878	Illumina HiSeq 2000	60	Male	22.5	normal	China	Health	60676490	37514810
SAMEA3541554	PRJEB10878	Illumina HiSeq 2000	58	Male	26.3	pre-obesity	China	Health	63341086	39640500
SAMEA3541555	PRJEB10878	Illumina HiSeq 2000	64	Female	21.3	normal	China	Health	55190022	14342044
SAMEA3541556	PRJEB10878	Illumina HiSeq 2000	69	Male	23.8	normal	China	Health	60252226	30049596
SAMEA3541557	PRJEB10878	Illumina HiSeq 2000	65	Female	20	normal	China	Health	62929376	20172944
SAMEA3541558	PRJEB10878	Illumina HiSeq 2000	59	Male	23.7	normal	China	Health	63280364	23489338
SAMEA3541559	PRJEB10878	Illumina HiSeq 2000	70	Female	22.2	normal	China	Health	43217884	22866608
SAMEA3541560	PRJEB10878	Illumina HiSeq 2000	61	Male	23.7	normal	China	Health	44188276	26186160
SAMEA3541561	PRJEB10878	Illumina HiSeq 2000	52	Male	24.6	normal	China	Health	60671012	37795950
SAMEA3541562	PRJEB10878	Illumina HiSeq 2000	58	Male	24.5	normal	China	Health	63322690	24313418
SAMEA3541563	PRJEB10878	Illumina HiSeq 2000	60	Male	20	normal	China	Colorectal Neoplasm	63781394	22916580

SAMEA3541564	PRJEB10878	Illumina HiSeq 2000	77	Male	24.5	normal	China	Colorectal Neoplasm	65133586	23267364
SAMEA3541565	PRJEB10878	Illumina HiSeq 2000	59	Female	27	pre-obesity	China	Colorectal Neoplasm	52187750	12193288
SAMEA3541566	PRJEB10878	Illumina HiSeq 2000	71	Female	21.2	normal	China	Colorectal Neoplasm	56903946	15720352
SAMEA3541567	PRJEB10878	Illumina HiSeq 2000	56	Male	31.3	obesity	China	Colorectal Neoplasm	51245744	15079046
SAMEA3541568	PRJEB10878	Illumina HiSeq 2000	77	Male	22	normal	China	Colorectal Neoplasm	51812238	14421338
SAMEA3541569	PRJEB10878	Illumina HiSeq 2000	77	Male	23.5	normal	China	Colorectal Neoplasm	62149784	17395956
SAMEA3541570	PRJEB10878	Illumina HiSeq 2000	83	Female	22.8	normal	China	Colorectal Neoplasm	55720964	16694906
SAMEA3541571	PRJEB10878	Illumina HiSeq 2000	79	Female	25.8	pre-obesity	China	Colorectal Neoplasm	36891208	13870126
SAMEA3541572	PRJEB10878	Illumina HiSeq 2000	69	Female	28.3	pre-obesity	China	Colorectal Neoplasm	38931972	11779530
SAMEA3541573	PRJEB10878	Illumina HiSeq 2000	62	Male	23.5	normal	China	Colorectal Neoplasm	35025672	13207798
SAMEA3541574	PRJEB10878	Illumina HiSeq 2000	78	Male	27	pre-obesity	China	Colorectal Neoplasm	38286210	14278156
SAMEA3541575	PRJEB10878	Illumina HiSeq 2000	49	Female	22.6	normal	China	Colorectal Neoplasm	38421068	13484862
SAMEA3541576	PRJEB10878	Illumina HiSeq 2000	81	Male	18.2	normal	China	Colorectal Neoplasm	36345768	14563716
SAMEA3541577	PRJEB10878	Illumina HiSeq 2000	63	Female	28	pre-obesity	China	Colorectal Neoplasm	37024436	10851290
SAMEA3541578	PRJEB10878	Illumina HiSeq 2000	59	Male	24.5	normal	China	Colorectal Neoplasm	40407172	11690788
SAMEA3541579	PRJEB10878	Illumina HiSeq 2000	73	Male	22.1	normal	China	Colorectal Neoplasm	42423706	15410678
SAMEA3541580	PRJEB10878	Illumina HiSeq 2000	76	Male	21.9	normal	China	Colorectal Neoplasm	10961564	7153088
SAMEA3541581	PRJEB10878	Illumina HiSeq 2000	74	Female	17.9	underweight	China	Colorectal Neoplasm	48287820	17234036
SAMEA3541582	PRJEB10878	Illumina HiSeq 2000	51	Male	26.9	pre-obesity	China	Colorectal Neoplasm	37627614	12113698
SAMEA3541583	PRJEB10878	Illumina HiSeq 2000	74	Male	24.2	normal	China	Colorectal Neoplasm	50539146	33665104
SAMEA3541584	PRJEB10878	Illumina HiSeq 2000	77	Male	20.2	normal	China	Colorectal Neoplasm	40240288	14067080
SAMEA3541585	PRJEB10878	Illumina HiSeq 2000	34	Male	19.4	normal	China	Colorectal Neoplasm	44341480	26611696
SAMEA3541586	PRJEB10878	Illumina HiSeq 2000	70	Female	26.7	pre-obesity	China	Colorectal Neoplasm	65450728	44641890
SAMEA3541587	PRJEB10878	Illumina HiSeq 2000	83	Female	18.9	normal	China	Colorectal Neoplasm	57315876	32321234
SAMEA3541588	PRJEB10878	Illumina HiSeq 2000	68	Male	21.5	normal	China	Colorectal Neoplasm	59042440	36503352
SAMEA3541589	PRJEB10878	Illumina HiSeq 2000	79	Male	26.8	pre-obesity	China	Colorectal Neoplasm	58518194	36690524
SAMEA3541590	PRJEB10878	Illumina HiSeq 2000	64	Female	28.3	pre-obesity	China	Colorectal Neoplasm	49356502	31264038
SAMEA3541591	PRJEB10878	Illumina HiSeq 2000	67	Male	24.9	normal	China	Colorectal Neoplasm	51070446	30284078

SAMEA3541592	PRJEB10878	Illumina HiSeq 2000	61	Male	23.8	normal	China	Health	58080274	34838950
SAMEA3541593	PRJEB10878	Illumina HiSeq 2000	62	Male	21.5	normal	China	Health	57219434	32421792
SAMEA3541594	PRJEB10878	Illumina HiSeq 2000	68	Male	23.7	normal	China	Colorectal Neoplasm	66186116	38000634
SAMEA3541595	PRJEB10878	Illumina HiSeq 2000	55	Male	25.8	pre-obesity	China	Colorectal Neoplasm	58789886	38464762
SAMEA3541596	PRJEB10878	Illumina HiSeq 2000	63	Male	22.5	normal	China	Colorectal Neoplasm	63339956	39932790
SAMEA3879500	PRJEB12449	Illumina	65	Male	23.5	normal	USA	Health	3346521	2930254
SAMEA3879501	PRJEB12449	Illumina	67	Female	30	pre-obesity	USA	Colorectal Neoplasm	2180599	1909359
SAMEA3879502	PRJEB12449	Illumina	58	Male	26.8	pre-obesity	USA	Health	4704729	4119517
SAMEA3879503	PRJEB12449	Illumina	48	Male	26.4	pre-obesity	USA	Health	3039849	2661728
SAMEA3879504	PRJEB12449	Illumina	57	Male	25.1	pre-obesity	USA	Health	2947859	2581181
SAMEA3879505	PRJEB12449	Illumina	31	Male	19.6	normal	USA	Colorectal Neoplasm	3611600	3162360
SAMEA3879506	PRJEB12449	Illumina	65	Male	25.1	pre-obesity	USA	Colorectal Neoplasm	3323729	2910297
SAMEA3879507	PRJEB12449	Illumina	63	Female	28.3	pre-obesity	USA	Health	2858013	2502510
SAMEA3879508	PRJEB12449	Illumina	89	Female	22.7	normal	USA	Colorectal Neoplasm	2757046	2414103
SAMEA3879509	PRJEB12449	Illumina	68	Male	22.1	normal	USA	Health	4269290	3738242
SAMEA3879510	PRJEB12449	Illumina	69	Female	20.8	normal	USA	Colorectal Neoplasm	4143653	3628232
SAMEA3879512	PRJEB12449	Illumina	53	Male	25	normal	USA	Colorectal Neoplasm	2554206	2236493
SAMEA3879513	PRJEB12449	Illumina	60	Male	33.4	obesity	USA	Health	3076090	2693461
SAMEA3879514	PRJEB12449	Illumina	79	Male	35.2	obesity	USA	Health	6646291	5819572
SAMEA3879515	PRJEB12449	Illumina	61	Male	24.4	normal	USA	Colorectal Neoplasm	3808424	2919582
SAMEA3879516	PRJEB12449	Illumina	69	Female	27.8	pre-obesity	USA	Colorectal Neoplasm	4525078	3962213
SAMEA3879517	PRJEB12449	Illumina	42	Male	22	normal	USA	Colorectal Neoplasm	2503112	2191755
SAMEA3879518	PRJEB12449	Illumina	74	Male	-99	missing	USA	Colorectal Neoplasm	3435474	3008142
SAMEA3879519	PRJEB12449	Illumina	85	Male	22.8	normal	USA	Colorectal Neoplasm	2003533	1754318
SAMEA3879520	PRJEB12449	Illumina	74	Male	23.6	normal	USA	Colorectal Neoplasm	7175283	6282764
SAMEA3879521	PRJEB12449	Illumina	70	Male	25.1	pre-obesity	USA	Colorectal Neoplasm	7469526	6540407
SAMEA3879522	PRJEB12449	Illumina	36	Male	21.3	normal	USA	Health	6824873	5975941
SAMEA3879523	PRJEB12449	Illumina	42	Female	27.2	pre-obesity	USA	Health	5893580	5160489

SAMEA3879524	PRJEB12449	Illumina	67	Male	30.5	obesity	USA	Health	3278731	2870896
SAMEA3879525	PRJEB12449	Illumina	58	Male	24.5	normal	USA	Health	2307220	2020230
SAMEA3879526	PRJEB12449	Illumina	68	Female	38.4	obesity	USA	Health	2414618	2114268
SAMEA3879527	PRJEB12449	Illumina	44	Male	23.4	normal	USA	Colorectal Neoplasm	2957954	2590020
SAMEA3879528	PRJEB12449	Illumina	63	Male	25.4	pre-obesity	USA	Health	4836478	4234878
SAMEA3879529	PRJEB12449	Illumina	65	Male	21.1	normal	USA	Colorectal Neoplasm	3193455	2796228
SAMEA3879530	PRJEB12449	Illumina	69	Male	24.1	normal	USA	Health	7753376	6788949
SAMEA3879531	PRJEB12449	Illumina	59	Female	20.4	normal	USA	Colorectal Neoplasm	5360030	4693307
SAMEA3879532	PRJEB12449	Illumina	59	Male	23.6	normal	USA	Health	3000329	2627124
SAMEA3879533	PRJEB12449	Illumina	83	Female	16.8	underweight	USA	Colorectal Neoplasm	3012856	2638093
SAMEA3879534	PRJEB12449	Illumina	55	Male	29.6	pre-obesity	USA	Colorectal Neoplasm	3941873	3451551
SAMEA3879535	PRJEB12449	Illumina	71	Female	-99	missing	USA	Colorectal Neoplasm	3159365	2766378
SAMEA3879537	PRJEB12449	Illumina	31	Male	19.6	normal	USA	Colorectal Neoplasm	2911289	2549160
SAMEA3879538	PRJEB12449	Illumina	56	Male	23	normal	USA	Health	3906183	3420301
SAMEA3879539	PRJEB12449	Illumina	53	Male	25.4	pre-obesity	USA	Colorectal Neoplasm	4472126	3915847
SAMEA3879540	PRJEB12449	Illumina	40	Male	23.7	normal	USA	Colorectal Neoplasm	5459458	4780367
SAMEA3879541	PRJEB12449	Illumina	39	Male	23.5	normal	USA	Health	2821387	2470440
SAMEA3879542	PRJEB12449	Illumina	48	Male	23.1	normal	USA	Health	3013791	2638912
SAMEA3879543	PRJEB12449	Illumina	82	Male	20.5	normal	USA	Health	3655259	3200589
SAMEA3879544	PRJEB12449	Illumina	73	Male	25.8	pre-obesity	USA	Colorectal Neoplasm	6185070	5415722
SAMEA3879545	PRJEB12449	Illumina	58	Male	21.1	normal	USA	Colorectal Neoplasm	7256663	6354021
SAMEA3879546	PRJEB12449	Illumina	79	Male	21.3	normal	USA	Health	3582909	3137238
SAMEA3879547	PRJEB12449	Illumina	67	Female	18.6	normal	USA	Health	3161262	2768039
SAMEA3879548	PRJEB12449	Illumina	65	Male	32.1	obesity	USA	Colorectal Neoplasm	3787060	3315995
SAMEA3879549	PRJEB12449	Illumina	63	Male	24	normal	USA	Health	3937304	3447551
SAMEA3879550	PRJEB12449	Illumina	63	Male	24.8	normal	USA	Health	4619539	4044924
SAMEA3879551	PRJEB12449	Illumina	60	Female	20.5	normal	USA	Health	6132475	5369669
SAMEA3879552	PRJEB12449	Illumina	71	Male	23.2	normal	USA	Health	2735752	2395457

SAMEA3879553	PRJEB12449	Illumina	49	Male	33.4	obesity	USA	Health	3181697	2785932
SAMEA3879554	PRJEB12449	Illumina	66	Male	28.2	pre-obesity	USA	Health	7089302	6207478
SAMEA3879555	PRJEB12449	Illumina	55	Female	31.6	obesity	USA	Colorectal Neoplasm	7139269	6251230
SAMEA3879556	PRJEB12449	Illumina	43	Male	32	obesity	USA	Colorectal Neoplasm	3682352	3224312
SAMEA3879557	PRJEB12449	Illumina	63	Female	25.7	pre-obesity	USA	Colorectal Neoplasm	3188152	2791584
SAMEA3879558	PRJEB12449	Illumina	40	Male	17.4	underweight	USA	Colorectal Neoplasm	2107348	1845219
SAMEA3879559	PRJEB12449	Illumina	66	Male	21.6	normal	USA	Colorectal Neoplasm	2250911	1970925
SAMEA3879560	PRJEB12449	Illumina	53	Male	27.9	pre-obesity	USA	Colorectal Neoplasm	3483955	2755375
SAMEA3879561	PRJEB12449	Illumina	76	Male	23.8	normal	USA	Health	3221465	2820753
SAMEA3879562	PRJEB12449	Illumina	67	Male	33.2	obesity	USA	Colorectal Neoplasm	3840958	3363189
SAMEA3879563	PRJEB12449	Illumina	54	Female	23.5	normal	USA	Colorectal Neoplasm	4137726	3623043
SAMEA3879564	PRJEB12449	Illumina	51	Male	24.8	normal	USA	Health	3649946	3195937
SAMEA3879565	PRJEB12449	Illumina	62	Female	20.7	normal	USA	Health	3130533	2741132
SAMEA3879567	PRJEB12449	Illumina	63	Male	21.3	normal	USA	Colorectal Neoplasm	3780951	3310646
SAMEA3879568	PRJEB12449	Illumina	47	Male	24.4	normal	USA	Health	3739200	3274088
SAMEA3879569	PRJEB12449	Illumina	37	Male	22.5	normal	USA	Colorectal Neoplasm	4205669	3682534
SAMEA3879570	PRJEB12449	Illumina	68	Male	23	normal	USA	Health	3379476	2959110
SAMEA3879571	PRJEB12449	Illumina	73	Female	23.9	normal	USA	Health	2687249	2352987
SAMEA3879572	PRJEB12449	Illumina	78	Male	22.6	normal	USA	Colorectal Neoplasm	4093767	3584552
SAMEA3879573	PRJEB12449	Illumina	71	Male	24.7	normal	USA	Colorectal Neoplasm	6415397	5617399
SAMEA3879574	PRJEB12449	Illumina	55	Female	23.8	normal	USA	Health	4242184	3714507
SAMEA3879575	PRJEB12449	Illumina	54	Female	24	normal	USA	Colorectal Neoplasm	3211906	2812383
SAMEA3879576	PRJEB12449	Illumina	45	Male	24.4	normal	USA	Health	3813484	3339132
SAMEA3879577	PRJEB12449	Illumina	60	Male	23.1	normal	USA	Health	4076420	3569362
SAMEA3879578	PRJEB12449	Illumina	84	Female	-99	missing	USA	Colorectal Neoplasm	3475889	3043530
SAMEA3879579	PRJEB12449	Illumina	63	Female	16.8	underweight	USA	Health	3480244	3047343
SAMEA3879580	PRJEB12449	Illumina	63	Male	31.6	obesity	USA	Health	3824147	3348469
SAMEA3879581	PRJEB12449	Illumina	66	Male	22.3	normal	USA	Colorectal Neoplasm	2256501	1975819

SAMEA3879582	PRJEB12449	Illumina	66	Female	31.5	obesity	USA	Colorectal Neoplasm	2651086	2321323
SAMEA3879583	PRJEB12449	Illumina	65	Male	24.3	normal	USA	Colorectal Neoplasm	3153599	2761329
SAMEA3879584	PRJEB12449	Illumina	71	Male	27.8	pre-obesity	USA	Colorectal Neoplasm	4638184	4061250
SAMEA3879586	PRJEB12449	Illumina	72	Female	27.8	pre-obesity	USA	Colorectal Neoplasm	3886726	3403264
SAMEA3879587	PRJEB12449	Illumina	76	Female	22.1	normal	USA	Health	3701605	3241170
SAMEA3879588	PRJEB12449	Illumina	56	Male	22.7	normal	USA	Health	4362454	3819817
SAMEA3879589	PRJEB12449	Illumina	70	Female	31.2	obesity	USA	Health	3414784	2990026
SAMEA3879591	PRJEB12449	Illumina	72	Male	23.1	normal	USA	Health	3646651	3193051
SAMEA3879592	PRJEB12449	Illumina	42	Male	27.6	pre-obesity	USA	Health	3722529	3259491
SAMEA3879593	PRJEB12449	Illumina	76	Female	26.9	pre-obesity	USA	Health	3608488	3159635
SAMEA3879594	PRJEB12449	Illumina	51	Male	25.8	pre-obesity	USA	Colorectal Neoplasm	3546100	3105008
SAMEA3879595	PRJEB12449	Illumina	65	Male	29.6	pre-obesity	USA	Health	6125052	5363169
SAMEA3879596	PRJEB12449	Illumina	54	Male	18.6	normal	USA	Colorectal Neoplasm	2626895	2300141
SAMEA3879597	PRJEB12449	Illumina	57	Male	26.4	pre-obesity	USA	Colorectal Neoplasm	3674963	3217842
SAMEA3879598	PRJEB12449	Illumina	70	Female	28.6	pre-obesity	USA	Health	3485928	3052320
SAMEA3879599	PRJEB12449	Illumina	65	Male	31.4	obesity	USA	Colorectal Neoplasm	7603241	6331293
SAMEA3879600	PRJEB12449	Illumina	48	Male	21.5	normal	USA	Health	2467375	2160463
SAMEA3879601	PRJEB12449	Illumina	56	Male	25.8	pre-obesity	USA	Colorectal Neoplasm	3960058	3467474
SAMEA3879602	PRJEB12449	Illumina	71	Male	22.6	normal	USA	Colorectal Neoplasm	3799504	3326891
SAMEA3879603	PRJEB12449	Illumina	72	Male	23.6	normal	USA	Health	3315776	2903333
SAMEA3879604	PRJEB12449	Illumina	64	Female	35.7	obesity	USA	Colorectal Neoplasm	2961475	2593103
SAMEA3879606	PRJEB12449	Illumina	64	Male	32.4	obesity	USA	Health	2335931	2045369
SAMEA3879607	PRJEB12449	Illumina	45	Female	22.6	normal	USA	Health	4548304	3982550
SAMEA3879608	PRJEB12449	Illumina	62	Female	25.8	pre-obesity	USA	Health	4056892	3352939
SAMEA3879609	PRJEB12449	Illumina	84	Male	23.5	normal	USA	Colorectal Neoplasm	3158372	2765508
SAMEA4817893	PRJEB27928	Illumina HiSeq	45	Male	30.7	obesity	Germany	Health	35328522	29704759
SAMEA4817894	PRJEB27928	Illumina HiSeq	62	Female	28.5	pre-obesity	Germany	Health	32372688	27771451
SAMEA4817895	PRJEB27928	Illumina HiSeq	74	Male	22.9	normal	Germany	Health	31980982	27409550

SAMEA4817896	PRJEB27928	Illumina HiSeq	59	Female	22.5	normal	Germany	Health	44202258	38128773
SAMEA4817897	PRJEB27928	Illumina HiSeq	59	Female	22.7	normal	Germany	Health	29803994	24975052
SAMEA4817898	PRJEB27928	Illumina HiSeq	62	Female	27	pre-obesity	Germany	Health	31657626	25511690
SAMEA4817899	PRJEB27928	Illumina HiSeq	63	Female	25.8	pre-obesity	Germany	Colorectal Neoplasm	24257212	20196836
SAMEA4817900	PRJEB27928	Illumina HiSeq	85	Female	19.7	normal	Germany	Colorectal Neoplasm	71084788	59617310
SAMEA4817901	PRJEB27928	Illumina HiSeq	80	Male	28.4	pre-obesity	Germany	Colorectal Neoplasm	73512980	59653734
SAMEA4817902	PRJEB27928	Illumina HiSeq	50	Female	23.4	normal	Germany	Health	37692376	32105466
SAMEA4817903	PRJEB27928	Illumina HiSeq	61	Male	29.9	pre-obesity	Germany	Health	24446428	20709850
SAMEA4817904	PRJEB27928	Illumina HiSeq	59	Female	22.1	normal	Germany	Health	34000090	28251790
SAMEA4817905	PRJEB27928	Illumina HiSeq	50	Male	21.6	normal	Germany	Health	32463278	27288101
SAMEA4817906	PRJEB27928	Illumina HiSeq	81	Male	26.1	pre-obesity	Germany	Colorectal Neoplasm	87878462	71087905
SAMEA4817907	PRJEB27928	Illumina HiSeq	55	Female	18	underweight	Germany	Health	46232444	39169828
SAMEA4817908	PRJEB27928	Illumina HiSeq	73	Male	24.8	normal	Germany	Health	16998696	14526375
SAMEA4817909	PRJEB27928	Illumina HiSeq	45	Male	22.1	normal	Germany	Health	30429798	25095845
SAMEA4817910	PRJEB27928	Illumina HiSeq	51	Male	26.3	pre-obesity	Germany	Health	39657070	33620881
SAMEA4817911	PRJEB27928	Illumina HiSeq	48	Female	25.4	pre-obesity	Germany	Health	29973580	24194194
SAMEA4817912	PRJEB27928	Illumina HiSeq	64	Male	26.8	pre-obesity	Germany	Health	33172648	28043030
SAMEA4817913	PRJEB27928	Illumina HiSeq	75	Male	21.5	normal	Germany	Health	35188422	29542668
SAMEA4817914	PRJEB27928	Illumina HiSeq	57	Female	22.2	normal	Germany	Health	28575282	24377458
SAMEA4817915	PRJEB27928	Illumina HiSeq	64	Male	27.6	pre-obesity	Germany	Health	42073490	36812858
SAMEA4817916	PRJEB27928	Illumina HiSeq	60	Female	25.8	pre-obesity	Germany	Health	36484700	31632601
SAMEA4817917	PRJEB27928	Illumina HiSeq	61	Male	25.2	pre-obesity	Germany	Colorectal Neoplasm	75850998	60062711
SAMEA4817918	PRJEB27928	Illumina HiSeq	29	Female	30.5	obesity	Germany	Health	39673116	33396461
SAMEA4817919	PRJEB27928	Illumina HiSeq	44	Male	25.1	pre-obesity	Germany	Health	39789898	33822531
SAMEA4817920	PRJEB27928	Illumina HiSeq	76	Male	29.5	pre-obesity	Germany	Health	24321294	20151206
SAMEA4817921	PRJEB27928	Illumina HiSeq	56	Male	25	normal	Germany	Health	36559780	31611707
SAMEA4817922	PRJEB27928	Illumina HiSeq	53	Male	18.5	normal	Germany	Health	37038222	31424279
SAMEA4817923	PRJEB27928	Illumina HiSeq	61	Female	25.4	pre-obesity	Germany	Health	24204482	20005039

SAMEA4817924	PRJEB27928	Illumina HiSeq	67	Male	24.4	normal	Germany	Health	30085574	25065388
SAMEA4817925	PRJEB27928	Illumina HiSeq	67	Female	30.1	obesity	Germany	Colorectal Neoplasm	38953346	33499123
SAMEA4817926	PRJEB27928	Illumina HiSeq	53	Male	26.2	pre-obesity	Germany	Health	27566448	22352084
SAMEA4817927	PRJEB27928	Illumina HiSeq	75	Male	30.1	obesity	Germany	Health	31965288	26808666
SAMEA4817928	PRJEB27928	Illumina HiSeq	53	Female	24.1	normal	Germany	Health	39009100	34310190
SAMEA4817929	PRJEB27928	Illumina HiSeq	41	Male	23.8	normal	Germany	Health	45450388	40151809
SAMEA4817930	PRJEB27928	Illumina HiSeq	61	Male	21.6	normal	Germany	Colorectal Neoplasm	76230418	55157585
SAMEA4817931	PRJEB27928	Illumina HiSeq	46	Male	26.3	pre-obesity	Germany	Health	28982188	23510308
SAMEA4817932	PRJEB27928	Illumina HiSeq	64	Male	24.6	normal	Germany	Health	34040570	28485731
SAMEA4817933	PRJEB27928	Illumina HiSeq	63	Female	20.2	normal	Germany	Health	28728788	23172918
SAMEA4817934	PRJEB27928	Illumina HiSeq	75	Male	22.9	normal	Germany	Health	19305674	15446861
SAMEA4817935	PRJEB27928	Illumina HiSeq	50	Male	22.6	normal	Germany	Health	33411216	28846196
SAMEA4817936	PRJEB27928	Illumina HiSeq	65	Male	32.7	obesity	Germany	Health	30283938	25039667
SAMEA4817937	PRJEB27928	Illumina HiSeq	79	Male	22.4	normal	Germany	Colorectal Neoplasm	83949212	69321231
SAMEA4817938	PRJEB27928	Illumina HiSeq	81	Male	24	normal	Germany	Colorectal Neoplasm	79561010	64837242
SAMEA4817939	PRJEB27928	Illumina HiSeq	61	Male	27	pre-obesity	Germany	Health	42411026	36617595
SAMEA4817940	PRJEB27928	Illumina HiSeq	75	Female	19.3	normal	Germany	Health	30313342	25884894
SAMEA4817941	PRJEB27928	Illumina HiSeq	57	Female	21.2	normal	Germany	Health	24152082	19789033
SAMEA4817942	PRJEB27928	Illumina HiSeq	66	Male	30.3	obesity	Germany	Health	29511236	25564045
SAMEA4817943	PRJEB27928	Illumina HiSeq	64	Male	25.4	pre-obesity	Germany	Health	24757274	20306711
SAMEA4817944	PRJEB27928	Illumina HiSeq	61	Female	24.1	normal	Germany	Colorectal Neoplasm	86094472	68980129
SAMEA4817945	PRJEB27928	Illumina HiSeq	63	Female	28.8	pre-obesity	Germany	Colorectal Neoplasm	73859064	57050414
SAMEA4817946	PRJEB27928	Illumina HiSeq	50	Female	32.1	obesity	Germany	Colorectal Neoplasm	25338168	21971540
SAMEA4817947	PRJEB27928	Illumina HiSeq	64	Female	21.1	normal	Germany	Health	30592134	24571558
SAMEA4817948	PRJEB27928	Illumina HiSeq	73	Male	24.5	normal	Germany	Health	43155400	36935129
SAMEA4817949	PRJEB27928	Illumina HiSeq	64	Female	22.8	normal	Germany	Health	18156390	16082962
SAMEA4817950	PRJEB27928	Illumina HiSeq	56	Female	30	pre-obesity	Germany	Colorectal Neoplasm	24639844	19650923
SAMEA4817951	PRJEB27928	Illumina HiSeq	60	Female	35.8	obesity	Germany	Colorectal Neoplasm	69757052	54937599

SAMEA4817952	PRJEB27928	Illumina HiSeq	58	Female	23.8	normal	Germany	Health	29652838	23973418
SAMEA4817953	PRJEB27928	Illumina HiSeq	60	Male	19.7	normal	Germany	Colorectal Neoplasm	66172000	48606194
SAMEA4817954	PRJEB27928	Illumina HiSeq	57	Female	22.2	normal	Germany	Health	27015866	22542657
SAMEA4817955	PRJEB27928	Illumina HiSeq	48	Male	23	normal	Germany	Health	43574064	37422086
SAMEA4817956	PRJEB27928	Illumina HiSeq	53	Female	23	normal	Germany	Health	18697980	16409709
SAMEA4817957	PRJEB27928	Illumina HiSeq	62	Female	21.3	normal	Germany	Colorectal Neoplasm	22336690	19012247
SAMEA4817958	PRJEB27928	Illumina HiSeq	60	Female	23	normal	Germany	Health	33622044	28493005
SAMEA4817959	PRJEB27928	Illumina HiSeq	60	Female	21.9	normal	Germany	Colorectal Neoplasm	20089036	16717711
SAMEA4817960	PRJEB27928	Illumina HiSeq	69	Female	25.3	pre-obesity	Germany	Health	14962784	12404476
SAMEA4817961	PRJEB27928	Illumina HiSeq	28	Male	24.6	normal	Germany	Health	30744090	25214194
SAMEA4817962	PRJEB27928	Illumina HiSeq	54	Female	24.6	normal	Germany	Health	40176314	32330166
SAMEA4817963	PRJEB27928	Illumina HiSeq	52	Male	29.9	pre-obesity	Germany	Colorectal Neoplasm	63635512	50731260
SAMEA4817964	PRJEB27928	Illumina HiSeq	51	Female	25.6	pre-obesity	Germany	Health	35665982	30839284
SAMEA4817965	PRJEB27928	Illumina HiSeq	58	Female	27	pre-obesity	Germany	Health	35421434	29685593
SAMEA4817966	PRJEB27928	Illumina HiSeq	66	Female	13.3	underweight	Germany	Colorectal Neoplasm	67604768	54839936
SAMEA4817967	PRJEB27928	Illumina HiSeq	45	Female	27.2	pre-obesity	Germany	Health	49080544	41427919
SAMEA4817968	PRJEB27928	Illumina HiSeq	84	Male	24	normal	Germany	Colorectal Neoplasm	42838792	33759068
SAMEA4817969	PRJEB27928	Illumina HiSeq	73	Male	26.6	pre-obesity	Germany	Colorectal Neoplasm	73996230	59634025
SAMEA4817970	PRJEB27928	Illumina HiSeq	59	Female	32.3	obesity	Germany	Health	16082086	13780111
SAMEA4817971	PRJEB27928	Illumina HiSeq	59	Male	26.5	pre-obesity	Germany	Colorectal Neoplasm	78110758	63893298
SAMEA4817972	PRJEB27928	Illumina HiSeq	37	Male	24.5	normal	Germany	Health	46484902	40163524
SAMEA4817973	PRJEB27928	Illumina HiSeq	39	Male	24.9	normal	Germany	Health	38687540	33115837
SAMEA4817974	PRJEB27928	Illumina HiSeq	70	Male	26.7	pre-obesity	Germany	Health	34304718	28246103
SAMN07452475	PRJNA397219	Illumina HiSeq 2500	50	Male	30.1	obesity	USA	Colorectal Neoplasm	115639160	109217840
SAMN07452476	PRJNA397219	Illumina HiSeq 2500	83	Female	35.4	obesity	USA	Colorectal Neoplasm	121533416	120804068
SAMN07452477	PRJNA397219	Illumina HiSeq 2500	59	Male	25.89	pre-obesity	USA	Colorectal Neoplasm	139637084	122969326
SAMN07452478	PRJNA397219	Illumina HiSeq 2500	52	Female	23.58	normal	USA	Colorectal Neoplasm	117016184	91810132
SAMN07452479	PRJNA397219	Illumina HiSeq 2500	63	Male	21	normal	USA	Colorectal Neoplasm	120377184	111767694

SAMN07452480	PRJNA397219	Illumina HiSeq 2500	63	Male	30.65	obesity	USA	Colorectal Neoplasm	198688825	175064622
SAMN07452481	PRJNA397219	Illumina HiSeq 2500	88	Female	31.98	obesity	USA	Colorectal Neoplasm	174750876	152788792
SAMN07452482	PRJNA397219	Illumina HiSeq 2500	64	Male	22.2	normal	USA	Colorectal Neoplasm	109459462	95844018
SAMN07452483	PRJNA397219	Illumina HiSeq 2500	81	Female	22.15	normal	USA	Colorectal Neoplasm	210717732	189607994
SAMN07452484	PRJNA397219	Illumina HiSeq 2500	78	Female	24.9	normal	USA	Colorectal Neoplasm	232026355	201962706
SAMN07452486	PRJNA397219	Illumina HiSeq 2500	64	Male	26.74	pre-obesity	USA	Health	171395940	142967760
SAMN07452487	PRJNA397219	Illumina HiSeq 2500	51	Female	22.54	normal	USA	Health	171688782	164527152
SAMN07452488	PRJNA397219	Illumina HiSeq 2500	78	Male	29.53	pre-obesity	USA	Health	178557732	156347293
SAMN07452489	PRJNA397219	Illumina HiSeq 2500	61	Male	28.2	pre-obesity	USA	Health	178436092	156240783
SAMN07452490	PRJNA397219	Illumina HiSeq 2500	75	Female	25.4	pre-obesity	USA	Health	171083060	149802380
SAMN07452491	PRJNA397219	Illumina HiSeq 2500	59	Male	24.46	normal	USA	Health	79479770	64266682
SAMN07452492	PRJNA397219	Illumina HiSeq 2500	60	Male	24.97	normal	USA	Health	175797242	153930175
SAMN07452493	PRJNA397219	Illumina HiSeq 2500	74	Female	31.09	obesity	USA	Health	213780479	198184824
SAMN07452494	PRJNA397219	Illumina HiSeq 2500	78	Female	28.78	pre-obesity	USA	Health	223504154	201791922
SAMN07452495	PRJNA397219	Illumina HiSeq 2500	55	Male	27.04	pre-obesity	USA	Health	153283438	124390471
SAMN07452496	PRJNA397219	Illumina HiSeq 2500	76	Female	25.28	pre-obesity	USA	Health	172379582	150937631

Table S2 – p-value estimates for Wilcoxon rank sum test for sample Condition for all samples. p-values are for Shannon Index | Simpson Index | Species Richness

	Colorectal Neoplasm
Normal	0.45 | 0.9 | 0.00051*

Table S3 – p-value estimates for Wilcoxon rank sum test for Project ID for all samples. p-values are for Shannon Index | Simpson Index | Species Richness

	PRJDB4176	PRJEB10878	PRJEB12449	PRJEB27928	PRJEB6070	PRJEB7774
PRJEB10878	0.02* | 0.01* | 0.37					
PRJEB12449	0.07 | 0.12 | 0.48	0.58 | 0.26 | 0.69				
PRJEB27928	0.01* | 0.06 | 0.11	0.95 | 0.53 | 0.41	0.59 | 0.76 | 0.20			
PRJEB6070	1.5e-8* | 4.5e-9* | 0.69	7.5e-4* | 3.5e-4* | 0.41	8.2e-6* | 2e-7* | 0.55	6.8e-4* | 5.4e-6 | 0.05		
PRJEB7774	8.2e-6* | 1.1e-6* | 0.01*	0.01* | 7e-3* | 2.6e-4*	9.6e-4* | 4.5e-5* | 5.4e-4*	0.01* | 4e-4* | 1.8e-4*	0.66 | 0.66 | 4.6e-4*	
PRJNA397219	0.4 | 0.26 | 0.21	0.87 | 0.95 | 0.41	0.95 | 0.58 | 0.21	0.95 | 0.66 | 0.48	0.05 | 0.09 | 0.14	0.13 | 0.18 | 0.03*

Table S4 – p-value estimates for Wilcoxon rank sum test for sample Sex for all samples. p-values are for Shannon Index | Simpson Index | Species Richness

	Female
Male	0.28 | 0.23 | 0.98

Table S5 – p-value estimates for Wilcoxon rank sum test for sample Countries for all samples. p-values are for Shannon Index | Simpson Index | Species Richness

	Austria	China	France	Germany	Japan
China	0.01* | 4.6e-3 | 1.2e-4*				
France	0.36 | 0.37 | 2.8e-3*	4.3e-4* | 1.6e-4* | 0.24			
Germany	0.04* | 3.7e-3* | 1.6e-5*	0.36 | 0.78 | 0.48	1.1e-3* | 5.7e-5* | 0.02*		
Japan	4.3e-6* | 8e-7* | 0.01*	0.01* | 0.01* | 0.32	2.2e-8* | 6.2e-9* | 0.99	4.3e-4* | 1.4e-3* | 0.11	
USA	4.5e-4* | 5e-5* | 1.2e-4*	0.41 | 0.28 | 0.99	4.3e-6* | 2.3e-7* | 0.23	0.09 | 0.14 | 0.45	0.05 | 0.06 | 0.32

Table S6 – p-value estimates for Wilcoxon rank sum test for sample Age for all samples. p-values are for Shannon Index | Simpson Index | Species Richness

	25-30	31-50	51-70
31-50	0.05 | 0.09 | 0.12		
51-70	0.05 | 0.09 | 0.06	0.96 | 0.88 | 0.06	
70+	0.05 | 0.09 | 0.06	0.82 | 0.63 | 0.13	0.82 | 0.63 | 0.66

Table S7 – p-value estimates for Wilcoxon rank sum test for sample BMI for all samples. p-values are for Shannon Index | Simpson Index | Species Richness

	Underweight	Normal	Pre-obesity
Normal	0.95 | 0.93 | 0.67		
Pre-obesity	0.95 | 0.93 | 0.67	0.95 | 0.93 | 0.67	
Obesity	0.95 | 0.93 | 0.67	0.95 | 0.93 | 0.67	0.95 | 0.96 | 067

Table S8 – p-value estimates for two-sided Wilcoxon rank sum test for Sample Condition blocked by each Confounder. p-values are for Shannon Index | Simpson Index | Species Richness

	Colorectal Neoplasm	
Normal	Project ID	0.55 | 0.8 | 4e-4*
	Sex	0.78 | 0.67 | 5.2e-4*
	Country	0.21 | 0.54 | 1.7e-3*
	Age	0.42 | 0.92 | 2.9e-4*
	BMI	0.48 | 0.94 | 4.7e-4*

Table S9 – Differential Abundance Analysis results from DESeq2 for species with significant Differential Abundance (Figure 1C). Blue lines represent species significantly more abundant in Normal samples and red lines represent species significantly more abundant in CRC samples. Species were kept based on p-value < 0.05 and |LFC| > 0.5.

OTU	baseMean	log2FoldChange	padj	Kingdom	Phylum	Class	Order	Family	Genus	Species
1686	29312.86	-1.62981	6.44E-07	Bacteria	Actinobacteria	Actinomycetia	Bifidobacteriales	Bifidobacteriaceae	*Bifidobacterium*	*catenulatum*
1308	28403.91	-1.38665	7.00E-08	Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	*Streptococcus*	*thermophilus*
1681	24499.76	-1.02278	0.027675	Bacteria	Actinobacteria	Actinomycetia	Bifidobacteriales	Bifidobacteriaceae	*Bifidobacterium*	*bifidum*
1547	69963.99	-0.98823	8.36E-05	Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	*Erysipelatoclostridium*	*ramosum*
2877527	16124.26	-0.95618	0.007657	Bacteria	Firmicutes	Clostridia	Eubacteriales	Lachnospiraceae	*Blautia*	*sp. NBRC 113351*
1680	114556.7	-0.93123	0.000528	Bacteria	Actinobacteria	Actinomycetia	Bifidobacteriales	Bifidobacteriaceae	*Bifidobacterium*	*adolescentis*
216816	128873.5	-0.92178	4.23E-05	Bacteria	Actinobacteria	Actinomycetia	Bifidobacteriales	Bifidobacteriaceae	*Bifidobacterium*	*longum*
1796635	13657.48	-0.83586	0.001185	Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	*Longicatena*	*caecimuris*
28026	68482.93	-0.66939	0.020214	Bacteria	Actinobacteria	Actinomycetia	Bifidobacteriales	Bifidobacteriaceae	*Bifidobacterium*	*pseudocatenulatum*
1982626	24697.19	-0.53031	0.048807	Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	*Faecalibacillus*	*intestinalis*
649756	337210.1	-0.52755	0.002889	Bacteria	Firmicutes	Clostridia	Eubacteriales	Lachnospiraceae	*Anaerostipes*	*hadrus*
2755405	17344.1	0.544064	0.032424	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Bacteroides*	*sp. CACC 737*
823	259954.9	0.556382	0.002877	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Tannerellaceae	*Parabacteroides*	*distasonis*
2785531	50853.49	0.573694	0.022899	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Bacteroides*	*sp. HF-162*
1288121	2819.22	0.591219	0.005354	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceae	*Alistipes*	*senegalensis*
2585118	15036.55	0.593978	0.002963	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceae	*Alistipes*	*communis*
33038	353181.2	0.595809	0.006853	Bacteria	Firmicutes	Clostridia	Eubacteriales	Lachnospiraceae	*Mediterraneibacter*	*[Ruminococcus] gnavus*
820	679812.9	0.609191	0.000869	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Bacteroides*	*uniformis*
2650157	24120.58	0.643482	0.017862	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Bacteroides*	*zhangwenhongi*
562	977063.4	0.665268	0.032424	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	*Escherichia*	*coli*
1522	27688.09	0.76706	6.07E-05	Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	*Erysipelatoclostridium*	*[Clostridium] innocuum*
411486	9497.538	0.794251	9.32E-09	Bacteria	Firmicutes	Clostridia	Eubacteriales	Clostridiaceae	*Clostridium*	*sp. M62/1*
84112	20868.68	0.833712	0.000109	Bacteria	Actinobacteria	Coriobacteriia	Eggerthellales	Eggerthellaceae	*Eggerthella*	*lenta*
328814	29889.5	0.854798	3.04E-05	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceae	*Alistipes*	*shahii*
2528203	27892.4	0.882159	0.000398	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Bacteroides*	*sp. A1C1*
821	1672156	0.913364	4.32E-06	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Phocaeicola*	*vulgatus*
2763056	2894.965	0.945701	4.44E-10	Bacteria	Firmicutes	Clostridia	Eubacteriales	Oscillospiraceae	*Oscillibacter*	*sp. NSJ-62*
39483	10886.83	0.983163	4.74E-08	Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	*Faecalitalea*	*cylindroides*
357276	400739.9	0.987497	1.98E-07	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Phocaeicola*	*dorei*
292800	80002.68	1.001485	1.81E-07	Bacteria	Firmicutes	Clostridia	Eubacteriales	Oscillospiraceae	*Flavonifractor*	*plautii*
901	2697.457	1.001758	0.019249	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfovibrionaceae	*Desulfovibrio*	*piger*

2764325	4979.06	1.01141	1.80E-08	Bacteria	Firmicutes	Clostridia	Eubacteriales	Eubacteriaceae	*Eubacterium*	*sp. NSJ-61*
674529	24018.2	1.02721	0.000243	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Bacteroides*	*faecis*
1981510	7140.955	1.042005	0.021421	Bacteria	Firmicutes	Clostridia	Eubacteriales	Oscillospiraceae	*Monoglobus*	*pectinilyticus*
2093857	8420.058	1.051182	4.39E-12	Bacteria	Firmicutes	Clostridia	Eubacteriales	Oscillospiraceae	*Dysosmobacter*	*welbionis*
2714355	25828.24	1.10664	5.05E-11	Bacteria	Firmicutes	Clostridia	Eubacteriales	Oscillospiraceae	*Vescimonas*	*coprocola*
818	356700.5	1.112719	2.36E-08	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Bacteroides*	*thetaiotaomicron*
328812	14763.54	1.113306	3.46E-05	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Tannerellaceae	*Parabacteroides*	*goldsteinii*
291644	20523.69	1.113732	4.75E-05	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Bacteroides*	*salyersiae*
2780922	3285.962	1.145904	1.13E-07	Bacteria	Firmicutes	Clostridia	Eubacteriales	Oscillospiraceae	*Solibaculum*	*mannosilyticum*
2714358	7227.484	1.146213	2.21E-12	Bacteria	Firmicutes	Clostridia	Eubacteriales	Oscillospiraceae	*Pusillimonas (ex Kitahara et al. 2021)*	*Pusillimonas faecalis*
2714353	7624.789	1.14987	6.96E-13	Bacteria	Firmicutes	Clostridia	Eubacteriales	Oscillospiraceae	*Vescimonas*	*fastidiosa*
371601	285466	1.226974	5.05E-11	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Bacteroides*	*xylanisolvens*
544645	9750.41	1.263071	9.32E-09	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Odoribacteraceae	*Butyricimonas*	*virosa*
246787	188447.4	1.268124	2.63E-08	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Bacteroides*	*cellulosilyticus*
28118	33057.38	1.355955	8.38E-13	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Odoribacteraceae	*Odoribacter*	*splanchnicus*
208479	156248.1	1.364719	2.05E-10	Bacteria	Firmicutes	Clostridia	Eubacteriales	Lachnospiraceae	*Enterocloster*	*bolteae*
2086584	2403.594	1.382652	1.31E-12	Bacteria	Firmicutes	Clostridia	Eubacteriales	Clostridiaceae	*Massilistercora*	*timonensis*
626932	3666.227	1.419563	1.38E-06	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceae	*Alistipes*	*indistinctus*
29347	20963.41	1.442922	1.06E-13	Bacteria	Firmicutes	Clostridia	Eubacteriales	Lachnospiraceae	*Lachnoclostridium*	*[Clostridium] scindens*
1550024	49195.26	1.450459	1.01E-16	Bacteria	Firmicutes	Clostridia	Eubacteriales	Oscillospiraceae	*Ruthenibacterium*	*lactatiformans*
2025876	26713.73	1.530571	0.001233	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Tannerellaceae	*Parabacteroides*	*sp. CT06*
1297617	5742.032	1.605096	9.68E-22	Bacteria	Firmicutes	Clostridia	Eubacteriales	Clostridiaceae	*Intestinimonas*	*butyriciproducens*
47678	139795.3	1.68215	1.13E-17	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Bacteroides*	*caccae*
214856	38943.1	1.715154	3.80E-13	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceae	*Alistipes*	*finegoldii*
328813	120758.4	1.719674	1.73E-14	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceae	*Alistipes*	*onderdonkii*
817	540123.3	1.922809	4.11E-23	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Bacteroides*	*fragilis*
291645	20886.09	2.469943	2.82E-17	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	*Bacteroides*	*nordii*
239935	507069.9	2.506717	3.93E-20	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Akkermansiaceae	*Akkermansia*	*muciniphila*
2173	40034.79	2.7268	4.43E-11	Archaea	Euryarchaeota	Methanobacteria	Methanobacteriales	Methanobacteriaceae	*Methanobrevibacter*	*smithii*
28131	4987.349	4.4619	1.94E-21	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	*Prevotella*	*intermedia*
33033	9061.284	4.806374	2.79E-54	Bacteria	Firmicutes	Tissierellia	Tissierellales	Peptoniphilaceae	*Parvimonas*	*micra*
29391	2278.941	5.00482	7.88E-45	Bacteria	Firmicutes	Bacilli	Bacillales		*Gemella*	*morbillorum*
851	4103.118	5.033698	7.40E-37	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	*Fusobacterium*	*nucleatum*
28123	1806.634	6.417803	4.02E-23	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	*Porphyromonas*	*asaccharolytica*

Table S10 – Differentially abundant taxa in each project. Values indicate LFC(p-value). Species in grey line were observed in 3 or more projects and kept for posterior analyses.

Taxa	PRJDB4176	PRJEB10878	PRJEB12449	PRJEB27928	PRJEB6070	PRJEB7774	PRJNA397219	Total
Acidaminococcus intestini	NA	NA	NA	NA	NA	2.93 (0.0307)	NA	1
Akkermansia muciniphila	3.71 (9e-04)	NA	NA	NA	1.52 (0.0121)	NA	NA	2
Alistipes onderdonkii	**2.24 (0.0037)**	NA	NA	**1.54 (0.0193)**	**1.48 (0.0031)**	NA	NA	**3**
Alistipes senegalensis	NA	NA	1.51 (0.0049)	NA	NA	NA	NA	1
Anaerobutyricum hallii	NA	NA	NA	-0.91 (0.0382)	NA	NA	NA	1
Anaerostipes hadrus	NA	NA	NA	NA	NA	-1.24 (5e-04)	NA	1
Bacteroides caccae	NA	**1.56 (0.0021)**	**1.42 (0.0076)**	**1.28 (0.0255)**	NA	**1.73 (5e-04)**	NA	**4**
Bacteroides cellulosilyticus	NA	NA	NA	NA	1.12 (0.0334)	NA	NA	1
Bacteroides eggerthii	NA	NA	NA	NA	NA	1.44 (0.033)	NA	1
Bacteroides faecis	NA	NA	NA	NA	NA	NA	5.04 (3e-04)	1
Bacteroides fragilis	NA	NA	NA	**1.83 (0.0028)**	**1.14 (0.0016)**	NA	**3.24 (5e-04)**	**3**
Bacteroides nordii	NA	NA	NA	**3.14 (8e-04)**	**2.21 (7e-04)**	**2.88 (5e-04)**	NA	**3**
Bacteroides ovatus	NA	NA	NA	NA	NA	1.39 (0.0037)	NA	1
Bacteroides salyersiae	NA	NA	NA	NA	2.21 (1e-04)	NA	4.51 (0.0085)	2
Bacteroides stercoris	NA	NA	NA	NA	NA	1.27 (0.0315)	NA	1
Bacteroides thetaiotaomicron	NA	**0.93 (0.0404)**	**1.79 (0.0017)**	**1.41 (0.0153)**	NA	NA	NA	**3**
Bacteroides uniformis	NA	NA	NA	NA	0.73 (0.018)	0.85 (0.0382)	NA	2
Bacteroides xylanisolvens	-1.6 (9e-04)	NA	NA	1.65 (8e-04)	NA	1.22 (0.0035)	NA	3
Bifidobacterium adolescentis	NA	NA	NA	NA	NA	-1.34 (0.0119)	NA	1
Bifidobacterium catenulatum	NA	NA	NA	NA	-1.68 (0.0334)	NA	NA	1
Bifidobacterium longum	NA	NA	NA	NA	NA	-1.4 (5e-04)	NA	1
Bifidobacterium pseudocatenulatum	NA	NA	NA	NA	NA	-1.54 (0.0217)	NA	1
Blautia obeum	NA	NA	0.83 (0.0446)	NA	NA	NA	NA	1
Blautia sp. NBRC 113351	NA	NA	NA	NA	-2.82 (1e-04)	-1.77 (0.0207)	NA	2
Blautia sp. SC05B48	NA	NA	NA	NA	NA	-0.6 (0.0187)	NA	1
Butyricimonas virosa	NA	NA	NA	1.42 (0.0362)	NA	NA	NA	1
Clostridioides difficile	NA	NA	NA	NA	NA	-0.58 (0.0315)	NA	1
Clostridium sp. M62/1	NA	NA	1.4 (0.0076)	NA	NA	NA	NA	1
Collinsella aerofaciens	NA	NA	NA	1.39 (0.0331)	NA	NA	NA	1
Coprococcus comes	NA	NA	0.96 (0.0382)	NA	-0.72 (0.0166)	NA	NA	2
Coprococcus eutactus	NA	**-1.07 (0.0031)**	NA	**-2.28 (8e-04)**	**-1.11 (2e-04)**	**-1.41 (6e-04)**	NA	**4**
Coprococcus sp. ART55/1	1.62 (0.0262)	-2.01 (9e-04)	NA	NA	-1.44 (0.0031)	NA	NA	3
Desulfovibrio piger	NA	NA	NA	NA	NA	NA	-9.53 (1e-04)	1
Dysosmobacter welbionis	NA	NA	0.98 (0.0382)	NA	0.87 (0.0014)	NA	NA	2
Eggerthella lenta	NA	NA	1.91 (0.0029)	1.39 (0.0177)	NA	NA	NA	2
Enterocloster bolteae	NA	**1.47 (8e-04)**	**1.65 (0.0076)**	**1.47 (6e-04)**	NA	NA	NA	**3**
Enterocloster clostridioformis	-2.48 (0.0017)	NA	NA	1.49 (0.0062)	0.9 (0.0334)	NA	NA	3
Enterococcus faecium	-2.04 (0.0024)	NA	NA	NA	NA	NA	NA	1
Erysipelatoclostridium [Clostridium] innocuum	NA	NA	1.5 (0.0076)	1.26 (0.003)	NA	-0.71 (0.047)	NA	3
Erysipelatoclostridium ramosum	**-2.27 (9e-04)**	**NA**	**-2.14 (0.0057)**	**2.18 (6e-04)**	**NA**	**-1.6 (0.006)**	**NA**	**4**
Escherichia coli	NA	NA	NA	-2.74 (0.0177)	NA	NA	NA	1
Eubacterium sp. NSJ-61	NA	NA	NA	NA	NA	1.11 (0.0058)	NA	1
Faecalibacillus intestinalis	NA	-1.52 (0.0186)	NA	NA	NA	NA	NA	1
Faecalitalea cylindroides	1.88 (0.0074)	NA	NA	-1.28 (0.0022)	0.89 (0.0129)	-0.52 (0.049)	NA	4
Flavonifractor plautii	NA	0.91 (0.0404)	NA	NA	NA	NA	NA	1
Fusobacterium nucleatum	NA	NA	NA	NA	NA	2.56 (0.0382)	NA	1
Gemella morbillorum	2.64 (0.0014)	NA	NA	NA	NA	2.39 (0.0098)	NA	2
Haemophilus parainfluenzae	NA	-2.07 (7e-04)	NA	NA	NA	NA	NA	1
Intestinimonas butyriciproducens	1.33 (0.0382)	NA	NA	NA	NA	NA	NA	1
Lachnospira eligens	NA	-1.48 (0.0034)	NA	NA	-0.95 (0.0121)	0.95 (0.0127)	NA	3
Longibaculum sp. KGMB06250	NA	NA	NA	NA	-1.02 (0.0264)	NA	NA	1
Longicatena caecimuris	NA	NA	NA	NA	-1.2 (0.0334)	NA	NA	1

Massilistercora timonensis	NA	NA	1.36 (0.0114)	1.19 (0.0278)	NA	NA	NA	2
Mediterraneibacter [Ruminococcus] gnavus	NA	NA	NA	1.59 (0.0043)	NA	NA	NA	1
Mediterraneibacter [Ruminococcus] torques	NA	NA	1.54 (0.0014)	NA	-0.74 (0.0264)	NA	NA	2
Methanobrevibacter smithii	NA	NA	2.7 (0.0144)	NA	NA	1.88 (0.0315)	NA	2
Oscillibacter sp. NSJ-62	NA	NA	NA	NA	0.95 (2e-04)	NA	NA	1
Parabacteroides distasonis	NA	NA	NA	NA	NA	1.44 (0.0019)	NA	1
Parabacteroides johnsonii	NA	NA	-2.13 (0.0029)	NA	NA	NA	NA	1
Parabacteroides merdae	NA	NA	NA	NA	0.95 (0.0129)	NA	NA	1
Paraprevotella xylaniphila	NA	NA	-2.5 (0.0029)	NA	NA	NA	NA	1
Phascolarctobacterium faecium	NA	NA	NA	4.08 (0.0011)	NA	NA	NA	1
Phocaeicola dorei	-1.38 (0.0262)	NA	NA	NA	0.86 (0.0464)	NA	NA	2
Phocaeicola vulgatus	NA	NA	NA	NA	NA	1.56 (2e-04)	NA	1
Prevotella copri	NA	NA	NA	NA	NA	NA	-8.19 (0.0022)	1
Prevotella intermedia	**2.95 (0.0401)**	**NA**	**NA**	**NA**	**2.7 (0.0334)**	**3.52 (0.0046)**	**NA**	**3**
Pseudomonas aeruginosa	NA	NA	NA	NA	NA	NA	4 (3e-04)	1
Roseburia intestinalis	NA	NA	1.39 (0.0029)	-1.03 (0.0382)	NA	NA	NA	2
Ruthenibacterium lactatiformans	NA	NA	NA	1.7 (6e-04)	NA	NA	NA	1
Solibaculum mannosilyticum	1.53 (0.0401)	NA	NA	NA	NA	NA	NA	1
Streptococcus salivarius	NA	NA	NA	NA	NA	-1.34 (0.0058)	NA	1
Streptococcus thermophilus	NA	NA	NA	NA	-1.65 (6e-04)	-1.7 (4e-04)	NA	2
Sutterella wadsworthensis	NA	NA	NA	NA	NA	3.84 (0.0012)	NA	1
Turicibacter sp. H121	NA	NA	NA	3.06 (0.0194)	NA	NA	NA	1
uncultured crAssphage	NA	NA	4.31 (0.0446)	NA	NA	NA	NA	1
Vescimonas coprocola	1.51 (0.0401)	NA	NA	NA	NA	NA	NA	1
Vescimonas fastidiosa	1.52 (0.0156)	NA	NA	1.04 (0.0456)	NA	NA	NA	2

Table S11 – Differential Abundance Analysis results from DESeq2 for all KEGG Orthologs (Figure 1C). KEGG Orthologs were kept based on a p-value < 0.05 and |LFC| > 1. All KO showed significant differential abundance in CRC samples.

Kegg_Code	KEGG_Name	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj
K00060	threonine 3-dehydrogenase	69.07531	1.028395	0.319799	3.215751	0.001301	0.005745
K00424	cytochrome bd-I ubiquinol oxidase subunit X	135.3327	1.422892	0.459479	3.096748	0.001957	0.007841
K00639	glycine C-acetyltransferase	46.41648	1.248667	0.327628	3.811239	0.000138	0.001008
K01447	N-acetylmuramoyl-L-alanine amidase	61.70871	1.439401	0.387466	3.714911	0.000203	0.001332
K02022	HlyD family secretion protein	63.90342	1.384967	0.387107	3.577737	0.000347	0.001997
K02230	cobaltochelatase CobN	88.50592	1.307294	0.202913	6.442646	1.17E-10	3.18E-08
K02377	GDP-L-fucose synthase	61.99696	1.098058	0.145195	7.562665	3.95E-14	6.42E-11
K07405	alpha-amylase	62.67314	1.167109	0.19619	5.948884	2.70E-09	4.66E-07
K09007	GTP cyclohydrolase IB	64.51649	1.119168	0.32628	3.430087	0.000603	0.003123
K09789	pimeloyl-[acyl-carrier protein] methyl ester esterase	73.89418	1.213231	0.17182	7.061056	1.65E-12	1.34E-09