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Table S1 Correlation coefficient (r) for the correlation analysis between DEPs and growth performance, meat quality

	L*	ADFI	ADG	Cooking loss	Shear force	pH45min	pH24h	a*	Drip loss	b*	F:G
P01875	-0.7568	0.3372	-0.1961	0.1273	-0.5535	-0.7679	-0.2581	-0.1967	0.4769	-0.6375	0.4015
F1NK40	0.1781	-0.6844	-0.2902	0.0550	0.0741	0.4196	-0.3167	-0.0289	-0.3296	0.2151	0.0248
A0A3Q2TZ57	-0.0867	-0.3293	-0.7453	0.3212	-0.5536	-0.2090	-0.6137	-0.5810	0.4262	-0.4004	0.6918
A0A1D5PCD2	0.4843	-0.4893	-0.2668	0.2039	0.3120	0.7184	-0.1211	-0.0636	-0.2905	0.3778	0.0478
A0A3Q3AJD3	0.6648	-0.2791	-0.1108	0.1952	0.4731	0.8781	0.0969	-0.0241	-0.3939	0.5823	-0.0528
A0A3Q2U3V9	-0.0424	0.2161	0.7304	-0.4354	0.6665	0.5774	0.5619	0.4689	-0.8185	0.6968	-0.7212
A0A1D5PH32	0.4433	-0.7108	-0.6644	0.4868	-0.4437	-0.0432	-0.7619	-0.6670	0.4538	-0.4355	0.4019
A0A3Q2UFG5	0.0175	-0.3763	-0.4169	0.2715	0.0749	0.3886	-0.1956	-0.0187	-0.1317	0.1479	0.2910
A0A3Q2U540	-0.1130	-0.1321	-0.7501	0.1222	-0.6786	-0.6394	-0.7501	-0.5080	0.6330	-0.7525	0.7975
E1BTI7	-0.0693	0.5011	0.7390	-0.6067	0.5536	0.1350	0.5269	0.4602	-0.3688	0.2564	-0.5949
A0A3Q2U0N4	-0.6042	-0.1100	-0.0197	-0.3478	-0.5678	-0.8920	-0.2999	-0.1468	0.5836	-0.7471	0.0467
A0A3Q2UHT9	-0.3867	0.4662	0.8996	-0.6795	0.3917	-0.0898	0.7410	0.5778	-0.2953	0.2776	-0.7560
A0A3Q2UKP2	0.2989	-0.7068	-0.5330	0.3730	-0.3467	0.1112	-0.4497	-0.6115	0.4755	-0.2391	0.2730
A0A1D5PGI9	-0.0367	0.4477	0.7265	-0.4860	0.4660	0.3879	0.5711	0.3447	-0.8365	0.7274	-0.6143
A0A3Q2UGD4	-0.8074	0.3821	0.2324	0.0140	-0.2760	-0.6683	0.0542	0.1841	0.1902	-0.4157	-0.0532
F1NH19	-0.4346	0.4234	0.3502	-0.6609	-0.0590	-0.5082	0.2255	0.1987	0.1562	-0.2349	-0.1487
A0A1L1RZV0	-0.3888	0.4647	0.9005	-0.6801	0.3913	-0.0890	0.7424	0.5771	-0.2952	0.2787	-0.7575
A0A1L1RLL0	-0.3914	0.4586	0.9023	-0.6813	0.3939	-0.0862	0.7452	0.5817	-0.2967	0.2811	-0.7618
A0A3Q2TZA4	0.2350	-0.5743	-0.1438	0.1723	0.2698	0.5835	0.0155	0.1245	-0.2628	0.3656	-0.1024
A0A3Q2TUE5	0.0136	-0.1496	-0.6298	0.5351	-0.8259	-0.4907	-0.6928	-0.9368	0.6764	-0.6190	0.6196
P01994	-0.3547	0.5026	0.7327	-0.2774	0.1444	-0.2070	0.4654	0.2117	-0.1289	0.0612	-0.5829
O93410	-0.6350	0.3420	0.0432	-0.1130	-0.3384	-0.7030	-0.1681	-0.0788	0.4318	-0.6363	0.1381

F1NSD3	-0.0116	-0.3332	-0.4456	0.2215	-0.6647	-0.6119	-0.7293	-0.4543	0.3858	-0.6239	0.3600
A0A1D5NZY0	-0.5876	-0.0180	0.6496	-0.5044	0.1708	-0.2823	0.5349	0.5751	0.0493	-0.0319	-0.6634
A0A3Q3ANZ2	0.5834	-0.3060	-0.4295	-0.0332	0.2463	0.5843	-0.2737	-0.1531	-0.2291	0.2545	0.3144
A0A3Q2U324	0.4937	-0.3222	-0.2065	0.0116	0.4062	0.7478	-0.0335	0.0920	-0.5078	0.5320	0.0590
Q90933	0.6592	0.0474	-0.1145	-0.1063	0.5075	0.7727	0.0297	-0.1016	-0.3560	0.4513	0.0981
A0A3Q2U775	0.6291	-0.2518	-0.1917	0.2152	0.4354	0.8404	0.0623	-0.0483	-0.3280	0.5272	0.0508
A0A1D5NXR0	-0.3086	0.1026	0.7869	-0.8819	0.3167	-0.0335	0.5668	0.4580	-0.3165	0.2821	-0.7705
P07630	-0.5145	0.1413	-0.3515	0.0030	-0.3624	-0.6868	-0.3764	0.2139	0.2116	-0.5482	0.4923
A0A3Q2U871	0.0807	-0.4481	-0.6040	0.4130	-0.6923	-0.5034	-0.7743	-0.7606	0.7950	-0.8003	0.4724
A0A1D5PMN6	-0.4644	0.5773	0.6795	-0.6911	0.4886	-0.0302	0.6739	0.7879	-0.4560	0.3262	-0.4600
E1BSI4	-0.3645	0.4976	0.9176	-0.6917	0.4242	-0.0272	0.7728	0.5652	-0.3486	0.3441	-0.7654
R4GM71	-0.4343	0.3119	0.7202	-0.4799	0.0172	-0.4052	0.4244	0.2823	-0.0402	-0.0387	-0.6221
P26007	-0.1467	-0.7973	-0.7788	0.1920	-0.5890	-0.3842	-0.8081	-0.3948	0.5500	-0.6579	0.5543
Q7T190	0.3801	0.0260	-0.7613	0.5428	-0.4101	0.0076	-0.6649	-0.6870	0.1599	-0.2041	0.8064
E1C7C1	-0.5390	0.1857	-0.1327	0.1183	-0.6454	-0.8479	-0.3644	-0.3826	0.6194	-0.7616	0.2578
F1C6X7	-0.2457	-0.4493	-0.6954	0.0910	-0.8059	-0.7730	-0.8183	-0.4942	0.7006	-0.8564	0.6202
Q6IEC5	0.2168	-0.6622	-0.8444	0.2402	-0.4814	-0.2896	-0.7555	-0.4571	0.7134	-0.6670	0.6605
A0A3Q2TXS3	0.2167	-0.5221	-0.9661	0.5978	-0.6701	-0.2834	-0.9159	-0.7065	0.5664	-0.6013	0.8289
A0A1D5PGD5	0.2850	-0.3759	-0.7777	0.4131	-0.4291	-0.2638	-0.8030	-0.3535	0.3212	-0.5051	0.6828
P46157	-0.4093	0.6669	0.6145	-0.5834	0.3572	-0.2101	0.6127	0.5339	-0.0061	0.0115	-0.3574
E1C3Y3	-0.2469	-0.2224	-0.7697	0.5065	-0.8913	-0.7926	-0.8435	-0.6122	0.7292	-0.8749	0.7701
Q70YQ8	-0.5238	0.2566	0.2831	-0.6719	-0.1630	-0.5854	0.1439	0.1595	0.2397	-0.3217	-0.1332
F1NW23	0.5089	-0.6854	-0.7074	0.3246	-0.3365	-0.0241	-0.7605	-0.4889	0.3656	-0.4018	0.4674
R4GKL8	0.4936	-0.0814	0.4285	-0.2598	0.7514	0.9325	0.5095	0.3385	-0.7395	0.8671	-0.5427
A5HUM6	-0.6012	0.4385	0.5763	-0.4865	-0.0827	-0.5603	0.3330	0.3019	0.0030	-0.1541	-0.3971

Q5ZL65	-0.4062	0.4776	0.8868	-0.6811	0.3795	-0.1102	0.7339	0.5787	-0.2816	0.2602	-0.7354
A0A1D5NTE7	-0.2114	-0.7291	-0.7021	0.4363	-0.5001	-0.2570	-0.6890	-0.2118	0.2794	-0.4379	0.4835
A0A3Q2TSK8	0.6404	-0.6584	-0.5565	0.2098	-0.2736	0.2149	-0.6165	-0.6635	0.1983	-0.1225	0.3035
F1P291	0.6652	-0.2795	-0.1114	0.1955	0.4726	0.8779	0.0965	-0.0244	-0.3935	0.5822	-0.0524
A0A3Q2U7A2	-0.7262	0.4355	0.4452	-0.4121	-0.2493	-0.6162	0.2103	0.1380	0.0074	-0.1868	-0.2491
A0A1L1RMF4	-0.3183	0.1309	-0.4665	0.2688	-0.7862	-0.8535	-0.5738	-0.5467	0.7129	-0.8131	0.5918
F1NDH2	-0.1317	0.1110	-0.5791	0.3530	-0.6610	-0.5314	-0.7090	-0.4950	0.1661	-0.4609	0.6848
A0A3Q2TXN1	-0.0149	-0.5638	-0.8641	0.4115	-0.5279	-0.1624	-0.7380	-0.4617	0.3560	-0.4064	0.7208
A0A2H4C5L1	-0.3884	0.4658	0.9002	-0.6800	0.3911	-0.0892	0.7422	0.5766	-0.2949	0.2784	-0.7567
Q9DF58	0.4981	-0.0858	0.5730	-0.1878	0.6185	0.7817	0.5911	0.1212	-0.3994	0.6953	-0.7071
A0A1D5P4G6	-0.3091	-0.6563	-0.5946	0.1992	-0.7154	-0.6736	-0.8206	-0.3200	0.4922	-0.7632	0.4167
Q5F3I1	-0.3926	-0.1936	-0.6792	0.3810	-0.7937	-0.8161	-0.7828	-0.3390	0.5225	-0.8011	0.6961
F1NBT0	0.1500	-0.4430	-0.6274	0.6117	-0.7489	-0.4732	-0.7479	-0.7864	0.7390	-0.7015	0.4872
F1NIW7	-0.2462	-0.2075	-0.8168	0.5091	-0.8603	-0.7599	-0.8562	-0.5687	0.6847	-0.8508	0.8282
P09244	0.1996	0.3911	0.7645	-0.5611	0.8582	0.5163	0.7592	0.7763	-0.6675	0.6594	-0.6858
A0A3Q2TX84	0.1897	-0.3724	-0.7811	0.5356	-0.3973	-0.2098	-0.7686	-0.2541	0.2054	-0.4242	0.6852
F1NWP1	-0.1827	0.4945	0.9697	-0.6732	0.6213	0.2852	0.8598	0.5698	-0.5533	0.5879	-0.8434
F1P2W2	0.2389	0.5366	0.8295	-0.5662	0.8109	0.6325	0.8219	0.5201	-0.7479	0.8194	-0.7057
Q27J90	0.2392	-0.4323	-0.9270	0.3686	-0.3784	-0.0537	-0.7540	-0.4201	0.3190	-0.3743	0.8305
F1NV09	-0.3066	-0.3051	-0.7533	0.4793	-0.8570	-0.8144	-0.8064	-0.5043	0.7793	-0.9126	0.7251
F1NUJ7	-0.2736	-0.2066	-0.7240	0.4801	-0.8990	-0.8247	-0.8182	-0.6074	0.7424	-0.8862	0.7289
F1NM67	-0.1275	0.1656	0.6202	-0.2991	-0.0009	-0.2982	0.3325	0.0647	0.1382	-0.0938	-0.5986
A0A2R3TVM2	-0.1275	0.1656	0.6202	-0.2991	-0.0009	-0.2982	0.3325	0.0647	0.1382	-0.0938	-0.5986
A0A1L1RWM3	-0.5823	0.4819	0.5638	-0.4429	0.1821	-0.2470	0.2983	0.5008	-0.4455	0.0944	-0.3809
F1P201	0.3161	-0.7667	-0.4803	0.5088	-0.1939	0.2644	-0.4077	-0.3722	0.1936	-0.0623	0.1775

Q5ZKY7	0.5405	-0.0430	0.1690	-0.0875	0.6047	0.8933	0.2208	0.0151	-0.5648	0.6521	-0.2539
Q90944	-0.3751	0.5271	0.9050	-0.7031	0.4436	-0.0023	0.7918	0.5735	-0.3587	0.3656	-0.7383
E1BZN8	-0.3952	0.0905	0.8434	-0.5449	0.3139	0.1160	0.7068	0.3892	-0.3281	0.4183	-0.8555
A0A1D5PPL7	-0.5094	0.1130	0.5641	-0.3855	-0.0941	-0.5440	0.3105	0.2814	0.2152	-0.2616	-0.5240
A0A173G7D2	0.6448	-0.2978	-0.0611	0.1641	0.5021	0.8603	0.0668	0.1012	-0.5648	0.6290	-0.1141
R4GJX3	-0.6175	0.1603	0.7700	-0.6129	0.2480	-0.2383	0.5997	0.6682	-0.2196	0.1293	-0.7212
A0A0K0PUH6	-0.5772	0.5967	0.7686	-0.6089	0.3274	-0.1769	0.6124	0.5369	-0.2688	0.1468	-0.5522
A0A3Q2TZU8	-0.3867	0.0300	0.8336	-0.6011	0.4991	0.1567	0.7585	0.7056	-0.3698	0.4134	-0.3867
A0A3Q2UGF7	0.0300	0.8336	-0.6011	0.4991	0.1567	0.7585	0.7056	-0.3698	0.4134	-0.8649	-0.1023
F1NPS5	0.5532	0.6368	-0.4374	0.2025	-0.1531	0.3856	0.2762	-0.3146	0.1714	-0.4593	-0.3884
A0A3Q2U504	0.4658	0.9002	-0.6800	0.3911	-0.0892	0.7422	0.5766	-0.2949	0.2784	-0.7567	-0.3423
F1P386	0.4824	-0.5286	-0.1551	-0.1546	0.4668	0.6523	0.0683	0.2056	-0.1439	0.3220	-0.0654
E1C857	-0.5978	0.0941	-0.4057	0.2530	-0.6564	-0.8316	-0.5897	-0.2831	0.5175	-0.8174	0.5202
F1NSM7	-0.4963	0.3181	0.5450	-0.3842	-0.1542	-0.5358	0.2067	0.1968	-0.0770	-0.1316	-0.4248
A0A1D5PXN3	-0.5576	0.4125	0.4681	-0.7410	0.1131	-0.4123	0.4036	0.4641	0.0260	-0.1071	-0.2738
A0A3Q2U4V6	0.2141	-0.4209	-0.9170	0.6418	-0.4912	-0.1317	-0.8469	-0.4609	0.2360	-0.3925	0.8086
A0A1D5PMA3	0.1935	-0.0399	-0.7937	0.5240	-0.4818	-0.4252	-0.6681	-0.4194	0.6517	-0.6770	0.8408
A0A1L1RYU0	-0.1959	0.1595	0.6993	-0.4083	0.1606	-0.2010	0.5346	0.2279	0.1962	-0.0368	-0.6782
Q2MJT5	0.3802	-0.5870	-0.6002	0.6819	-0.4771	-0.0120	-0.7000	-0.7161	0.3599	-0.3399	0.3705
F1NEB3	-0.0491	-0.2851	-0.8480	0.4810	-0.7597	-0.5078	-0.9217	-0.5901	0.3637	-0.6053	0.8155
Q90631	-0.1882	0.4959	0.6728	-0.5958	0.5838	0.2812	0.8213	0.5060	-0.2413	0.4408	-0.5098
Q7SX63	-0.5188	0.5091	0.6182	-0.5543	0.1434	-0.2998	0.4029	0.5024	-0.4014	0.1462	-0.4224
E1BY44	-0.4696	0.4915	0.8045	-0.6224	0.2226	-0.2317	0.5757	0.4853	-0.3330	0.2010	-0.6373
P87362	-0.2776	0.5103	0.9286	-0.6529	0.4128	0.0785	0.7469	0.4474	-0.4839	0.4677	-0.7835
Q6PW00	-0.2148	0.1912	-0.2193	0.0946	-0.4824	-0.7624	-0.3203	-0.2203	0.6739	-0.7385	0.3438

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Q9W6V5	-0.3983	0.4487	0.8749	-0.6533	0.3333	-0.1539	0.6886	0.5453	-0.2559	0.2183	-0.7354
F1NSA8	-0.4009	0.4210	0.8012	-0.6363	0.3718	-0.1193	0.6027	0.6721	-0.4460	0.2770	-0.6664

Table S2 *P* value for the correlation analysis between DEPs and growth performance, meat quality

	L*	ADFI	ADG	Cooking loss	Shear force	pH45min	pH24h	a*	Drip loss	b*	F:G
P01875	0.0182	0.3749	0.6132	0.7442	0.1221	0.0157	0.5026	0.6119	0.1943	0.0647	0.2841
F1NK40	0.6466	0.0420	0.4488	0.8883	0.8496	0.2608	0.4064	0.9412	0.3864	0.5783	0.9495
A0A3Q2TZ57	0.8246	0.3868	0.0212	0.3993	0.1220	0.5895	0.0788	0.1008	0.2526	0.2856	0.0389
A0A1D5PCD2	0.1865	0.1813	0.4877	0.5987	0.4137	0.0292	0.7564	0.8708	0.4483	0.3161	0.9028
A0A3Q3AJD3	0.0507	0.4670	0.7765	0.6147	0.1984	0.0018	0.8042	0.9510	0.2942	0.0999	0.8927
A0A3Q2U3V9	0.9137	0.5765	0.0254	0.2414	0.0500	0.1035	0.1154	0.2029	0.0070	0.0370	0.0283
A0A1D5PH32	0.2320	0.0318	0.0509	0.1839	0.2315	0.9122	0.0170	0.0497	0.2198	0.2413	0.2836
A0A3Q2UFG5	0.9643	0.3182	0.2643	0.4797	0.8481	0.3013	0.6140	0.9620	0.7356	0.7041	0.4475
A0A3Q2U540	0.7723	0.7348	0.0199	0.7541	0.0445	0.0637	0.0199	0.1627	0.0673	0.0193	0.0100
E1BTI7	0.8593	0.1694	0.0229	0.0832	0.1221	0.7292	0.1450	0.2125	0.3287	0.5054	0.0910
A0A3Q2U0N4	0.0848	0.7782	0.9598	0.3590	0.1108	0.0012	0.4330	0.7062	0.0990	0.0207	0.9050
A0A3Q2UHT9	0.3039	0.2059	0.0010	0.0441	0.2972	0.8183	0.0224	0.1032	0.4404	0.4696	0.0184
A0A3Q2UKP2	0.4347	0.0332	0.1395	0.3228	0.3607	0.7759	0.2245	0.0802	0.1958	0.5355	0.4772
A0A1D5PGI9	0.9254	0.2269	0.0266	0.1847	0.2062	0.3023	0.1083	0.3636	0.0049	0.0264	0.0784
A0A3Q2UGD4	0.0085	0.3102	0.5473	0.9715	0.4722	0.0491	0.8898	0.6353	0.6240	0.2658	0.8920
F1NH19	0.2424	0.2562	0.3556	0.0526	0.8801	0.1624	0.5596	0.6084	0.6881	0.5428	0.7027
A0A1L1RZV0	0.3011	0.2075	0.0009	0.0438	0.2977	0.8200	0.0220	0.1038	0.4407	0.4677	0.0181
A0A1L1RLL0	0.2975	0.2144	0.0009	0.0433	0.2942	0.8256	0.0212	0.1003	0.4382	0.4637	0.0171

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A0A3Q2TZA4	0.5427	0.1059	0.7121	0.6576	0.4826	0.0991	0.9685	0.7496	0.4945	0.3333	0.7933
A0A3Q2TUE5	0.9723	0.7009	0.0691	0.1377	0.0061	0.1798	0.0386	0.0002	0.0454	0.0755	0.0751
P01994	0.3490	0.1679	0.0247	0.4698	0.7110	0.5931	0.2068	0.5845	0.7409	0.8758	0.0995
O93410	0.0661	0.3676	0.9121	0.7722	0.3731	0.0346	0.6655	0.8403	0.2458	0.0654	0.7232
F1NSD3	0.9764	0.3809	0.2293	0.5668	0.0508	0.0799	0.0258	0.2192	0.3052	0.0725	0.3412
A0A1D5NZY0	0.0962	0.9633	0.0583	0.1661	0.6604	0.4617	0.1378	0.1052	0.8997	0.9351	0.0514
A0A3Q3ANZ2	0.0992	0.4232	0.2486	0.9325	0.5228	0.0985	0.4760	0.6942	0.5533	0.5087	0.4099
A0A3Q2U324	0.1767	0.3978	0.5939	0.9763	0.2780	0.0205	0.9319	0.8139	0.1628	0.1404	0.8802
Q90933	0.0535	0.9036	0.7693	0.7855	0.1631	0.0146	0.9394	0.7948	0.3471	0.2227	0.8018
A0A3Q2U775	0.0695	0.5134	0.6213	0.5781	0.2415	0.0046	0.8735	0.9017	0.3889	0.1447	0.8968
A0A1D5NXR0	0.4190	0.7928	0.0119	0.0017	0.4064	0.9319	0.1115	0.2150	0.4067	0.4621	0.0151
P07630	0.1565	0.7168	0.3535	0.9940	0.3378	0.0410	0.3181	0.5805	0.5846	0.1265	0.1782
A0A3Q2U871	0.8365	0.2265	0.0850	0.2693	0.0388	0.1671	0.0143	0.0173	0.0104	0.0096	0.1991
A0A1D5PMN6	0.2079	0.1036	0.0441	0.0393	0.1820	0.9385	0.0466	0.0117	0.2173	0.3917	0.2128
E1BSI4	0.3348	0.1729	0.0005	0.0390	0.2551	0.9447	0.0146	0.1128	0.3579	0.3646	0.0162
R4GM71	0.2428	0.4139	0.0286	0.1911	0.9649	0.2794	0.2549	0.4618	0.9183	0.9212	0.0736
P26007	0.7065	0.0101	0.0134	0.6206	0.0952	0.3073	0.0084	0.2930	0.1250	0.0541	0.1215
Q7T190	0.3130	0.9470	0.0172	0.1311	0.2730	0.9845	0.0507	0.0409	0.6811	0.5983	0.0087
E1C7C1	0.1343	0.6325	0.7336	0.7619	0.0605	0.0039	0.3349	0.3095	0.0753	0.0171	0.5031
F1C6X7	0.5240	0.2250	0.0375	0.8159	0.0087	0.0146	0.0070	0.1763	0.0355	0.0032	0.0748
Q6IEC5	0.5754	0.0520	0.0042	0.5335	0.1895	0.4497	0.0186	0.2161	0.0309	0.0497	0.0528
A0A3Q2TXS3	0.5755	0.1493	0.0000	0.0891	0.0483	0.4599	0.0005	0.0334	0.1118	0.0867	0.0057
A0A1D5PGD5	0.4572	0.3188	0.0136	0.2691	0.2491	0.4927	0.0092	0.3507	0.3994	0.1655	0.0427
P46157	0.2740	0.0498	0.0783	0.0992	0.3454	0.5873	0.0794	0.1388	0.9876	0.9766	0.3451
E1C3Y3	0.5219	0.5651	0.0153	0.1641	0.0013	0.0108	0.0043	0.0797	0.0258	0.0020	0.0152

Q70YQ8	0.1478	0.5050	0.4605	0.0474	0.6752	0.0977	0.7119	0.6819	0.5346	0.3985	0.7326
F1NW23	0.1617	0.0416	0.0330	0.3941	0.3760	0.9510	0.0174	0.1817	0.3332	0.2837	0.2046
R4GKL8	0.1769	0.8350	0.2499	0.4995	0.0196	0.0002	0.1612	0.3729	0.0228	0.0025	0.1311
A5HUM6	0.0869	0.2377	0.1044	0.1841	0.8325	0.1167	0.3813	0.4297	0.9938	0.6921	0.2900
Q5ZL65	0.2780	0.1935	0.0014	0.0434	0.3137	0.7778	0.0244	0.1026	0.4629	0.4989	0.0239
A0A1D5NTE7	0.5850	0.0258	0.0350	0.2404	0.1704	0.5045	0.0401	0.5844	0.4666	0.2384	0.1873
A0A3Q2TSK8	0.0632	0.0538	0.1196	0.5879	0.4762	0.5788	0.0771	0.0513	0.6090	0.7535	0.4273
F1P291	0.0506	0.4664	0.7754	0.6143	0.1990	0.0019	0.8049	0.9503	0.2947	0.1000	0.8935
A0A3Q2U7A2	0.1884	0.1435	0.6903	0.6912	0.2052	0.0569	0.8615	0.5957	0.7118	0.3980	0.8672
A0A1L1RMF4	0.0267	0.2413	0.2297	0.2704	0.5177	0.0772	0.5871	0.7233	0.9850	0.6303	0.5180
F1NDH2	0.4038	0.7371	0.2056	0.4844	0.0120	0.0034	0.1062	0.1277	0.0311	0.0077	0.0932
A0A3Q2TXN1	0.7355	0.7762	0.1023	0.3514	0.0526	0.1409	0.0325	0.1754	0.6692	0.2118	0.0418
A0A2H4C5L1	0.9697	0.1138	0.0027	0.2711	0.1440	0.6764	0.0232	0.2110	0.3471	0.2777	0.0285
Q9DF58	0.3016	0.2063	0.0009	0.0439	0.2979	0.8194	0.0220	0.1041	0.4411	0.4682	0.0183
A0A1D5P4G6	0.4183	0.0549	0.0913	0.6073	0.0303	0.0467	0.0067	0.4013	0.1783	0.0167	0.2645
Q5F3I1	0.2960	0.6177	0.0442	0.3117	0.0107	0.0073	0.0126	0.3721	0.1490	0.0095	0.0373
F1NBT0	0.7000	0.2324	0.0705	0.0800	0.0202	0.1983	0.0205	0.0119	0.0229	0.0352	0.1834
F1NIW7	0.5231	0.5922	0.0072	0.1616	0.0029	0.0175	0.0032	0.1100	0.0418	0.0036	0.0058
P09244	0.6066	0.2980	0.0164	0.1160	0.0031	0.1548	0.0177	0.0139	0.0495	0.0533	0.0414
A0A3Q2TX84	0.6250	0.3237	0.0130	0.1372	0.2897	0.5880	0.0155	0.5093	0.5960	0.2551	0.0417
F1NWP1	0.6381	0.1759	0.0000	0.0469	0.0741	0.4569	0.0030	0.1092	0.1222	0.0959	0.0043
F1P2W2	0.5358	0.1363	0.0057	0.1120	0.0080	0.0676	0.0066	0.1512	0.0205	0.0069	0.0336
Q27J90	0.5354	0.2453	0.0003	0.3290	0.3153	0.8908	0.0189	0.2603	0.4027	0.3210	0.0056
F1NV09	0.4223	0.4246	0.0191	0.1917	0.0032	0.0075	0.0086	0.1662	0.0133	0.0006	0.0271
F1NUJ7	0.4763	0.5939	0.0274	0.1909	0.0010	0.0062	0.0070	0.0828	0.0220	0.0015	0.0259

F1NM67	0.7438	0.6703	0.0747	0.4342	0.9982	0.4357	0.3820	0.8686	0.7229	0.8104	0.0886
A0A2R3TVM2	0.0999	0.1890	0.1139	0.2325	0.6391	0.5217	0.4355	0.1697	0.2295	0.8091	0.3119
A0A1L1RWM3	0.4073	0.0159	0.1907	0.1619	0.6172	0.4917	0.2761	0.3239	0.6176	0.8736	0.6477
F1P201	0.1330	0.9126	0.6637	0.8228	0.0845	0.0012	0.5680	0.9692	0.1131	0.0570	0.5098
Q5ZKY7	0.1970	0.4871	0.1006	0.1568	0.6259	0.3100	0.1532	0.1294	0.6013	0.6646	0.1955
Q90944	0.3198	0.1448	0.0008	0.0346	0.2317	0.9952	0.0110	0.1064	0.3431	0.3333	0.0231
E1BZN8	0.2924	0.8168	0.0043	0.1293	0.4108	0.7663	0.0333	0.3005	0.3887	0.2625	0.0033
A0A1D5PPL7	0.1613	0.7723	0.1136	0.3055	0.8097	0.1300	0.4161	0.4632	0.5782	0.4965	0.1476
A0A173G7D2	0.0608	0.4364	0.8760	0.6731	0.1684	0.0029	0.8644	0.7957	0.1130	0.0696	0.7700
R4GJX3	0.0764	0.6804	0.0152	0.0793	0.5200	0.5369	0.0879	0.0492	0.5702	0.7403	0.0283
A0A0K0PUH6	0.1037	0.0898	0.0155	0.0818	0.3898	0.6490	0.0796	0.1361	0.4843	0.7062	0.1231
A0A3Q2TZU8	0.3039	0.9390	0.0052	0.0869	0.1714	0.6872	0.0178	0.0337	0.3273	0.2687	0.0026
A0A3Q2UGF7	0.7934	0.1223	0.0652	0.2390	0.6012	0.6941	0.3054	0.4718	0.4097	0.6592	0.2136
F1NPS5	0.3016	0.2063	0.0009	0.0439	0.2979	0.8194	0.0220	0.1041	0.4411	0.4682	0.0183
A0A3Q2U504	0.3672	0.2082	0.0003	0.0394	0.2253	0.9810	0.0128	0.0931	0.3544	0.3560	0.0105
F1P386	0.2631	0.2038	0.0019	0.0484	0.3589	0.7151	0.0317	0.1177	0.4994	0.5481	0.0262
E1C857	0.0891	0.8096	0.2786	0.5112	0.0548	0.0055	0.0947	0.4604	0.1536	0.0071	0.1511
F1NSM7	0.1742	0.4042	0.1292	0.3073	0.6921	0.1371	0.5937	0.6118	0.8438	0.7357	0.2544
A0A1D5PXN3	0.1188	0.2699	0.2038	0.0223	0.7720	0.2702	0.2814	0.2082	0.9471	0.7840	0.4759
A0A3Q2U4V6	0.5801	0.2593	0.0005	0.0624	0.1793	0.7355	0.0040	0.2118	0.5411	0.2961	0.0083
A0A1D5PMA3	0.6180	0.9189	0.0107	0.1476	0.1891	0.2539	0.0492	0.2611	0.0572	0.0452	0.0045
A0A1L1RYU0	0.6135	0.6820	0.0360	0.2753	0.6797	0.6040	0.1381	0.5554	0.6129	0.9250	0.0446
Q2MJT5	0.3128	0.0966	0.0875	0.0431	0.1940	0.9756	0.0358	0.0300	0.3415	0.3708	0.3263
F1NEB3	0.9001	0.4571	0.0039	0.1899	0.0175	0.1628	0.0004	0.0944	0.3360	0.0841	0.0074
Q90631	0.6277	0.1746	0.0471	0.0904	0.0989	0.4635	0.0066	0.1646	0.5316	0.2350	0.1609

Q7SX63	0.1524	0.1615	0.0760	0.1214	0.7128	0.4332	0.2823	0.1681	0.2842	0.7075	0.2574
E1BY44	0.2022	0.1790	0.0089	0.0735	0.5649	0.5486	0.1048	0.1854	0.3813	0.6041	0.0649
P87362	0.4696	0.1604	0.0003	0.0566	0.2695	0.8408	0.0208	0.2273	0.1868	0.2043	0.0125
Q6PW00	0.5789	0.6222	0.5708	0.8087	0.1884	0.0169	0.4007	0.5689	0.0466	0.0230	0.3650
Q9W6V5	0.2883	0.2257	0.0020	0.0564	0.3808	0.6926	0.0403	0.1289	0.5063	0.5726	0.0240
F1NSA8	0.2849	0.2592	0.0094	0.0654	0.3244	0.7598	0.0859	0.0474	0.2289	0.4706	0.0500

Table S3 Correlation coefficient (r) for the correlation analysis between DEPs and plasmal parameters

	IL-1 β	IL-10	IL-6	TNF-α	IgM	IgG	IgA
A0A1D5NZY0	-0.0669	0.5858	0.4686	-0.1674	0.2315	0.4167	0.0234
F1NK40	-0.5833	-0.0333	-0.3833	-0.6833	-0.1564	-0.0832	0.4322
P01875	0.4500	-0.3833	0.8000	0.7333	0.5086	0.6754	0.2016
A0A1D5PCD2	-0.3333	-0.1833	-0.5333	-0.2500	-0.5039	-0.1712	-0.5781
A0A1D5PH32	0.0333	-0.2333	-0.4667	0.0667	-0.3802	0.1521	-0.1133
Q90933	-0.3833	0.1167	-0.4500	-0.2000	-0.4727	-0.2369	-0.3583
E1BTI7	-0.0500	0.1500	0.3000	0.1000	-0.0010	-0.3499	0.3784
P68139	0.4404	-0.7156	0.2477	0.3853	0.0747	0.7852	0.3582
Q7SX63	0.0669	-0.0167	0.6193	-0.0335	0.1052	-0.0127	0.6170
Q6Q1Q8	0.7982	-0.3578	0.3853	0.5505	0.0747	0.7852	0.3582
A0A3Q2TZA4	-0.2833	-0.2333	-0.5500	-0.2167	-0.3654	-0.2184	-0.6411
P09244	0.0000	0.5523	-0.0167	-0.2343	-0.1389	-0.5882	0.2504

A0A3Q3ANZ2	-0.3333	0.0333	-0.6500	-0.3000	-0.7104	-0.0863	-0.3482
F1NW23	-0.0167	-0.2500	-0.3667	-0.0667	-0.5937	0.1315	0.0418
O93410	0.4500	-0.2667	0.8000	0.8167	0.3509	0.4483	0.3795
F1NQD9	0.3193	0.1681	0.6975	0.1681	0.3571	0.2426	0.6088
E1C7C1	0.3333	-0.4167	0.6833	0.7167	0.4390	0.4968	0.3860
A0A1D5PGD5	0.3667	-0.3167	-0.1333	0.2500	-0.4482	0.4848	0.4527
A5HUM6	0.2008	0.0502	0.6862	0.1004	0.3466	-0.0307	0.5054
A0A3Q2U7A2	0.1667	0.0500	0.8333	0.2500	0.3715	0.1462	0.3909
P01994	-0.0167	-0.2167	0.4667	0.2333	0.4778	-0.1576	0.3701
A0A3Q2U0N4	0.3167	0.0667	0.6167	0.2167	0.0614	0.1931	0.2942
A0A3Q2UGD4	0.2667	-0.2333	0.7500	0.4333	0.5397	0.4561	0.4551
A0A3Q2UFG5	-0.3000	-0.1500	-0.3667	-0.1167	-0.2782	0.1931	-0.6136
A0A3Q2U3V9	-0.8333	0.0667	-0.0500	-0.4667	-0.1931	-0.3776	-0.0291
P26007	0.1000	0.0500	0.0333	-0.1167	-0.4800	0.3770	-0.2584
A0A1D5NXR0	-0.4167	0.2000	0.4167	-0.4167	-0.1173	-0.5907	0.0038
A0A1D5P4G6	0.0667	-0.1500	0.3333	-0.0500	-0.3721	0.4916	0.2976
A0A1D5P7D0	0.0500	-0.1000	-0.4500	-0.1167	-0.5523	-0.0063	-0.0144
R4GM71	0.1506	0.0669	0.6193	0.1339	0.3294	-0.2646	0.4180
A0A173G7D2	-0.5462	0.1681	-0.5630	-0.7311	-0.5038	-0.2888	-0.2956
E1BY44	0.0000	0.0000	0.6527	-0.1172	0.2375	-0.2524	0.4249
Q70YQ8	0.3833	0.1167	0.7500	0.3333	0.0878	-0.0625	0.1944
F1P2W2	-0.3849	0.3849	0.0837	-0.4184	-0.0093	-0.6268	0.0239
F1NWN4	-0.7029	0.2510	-0.5858	-0.7029	-0.2936	-0.1448	-0.4515
P07630	0.7531	0.0167	0.8201	0.3849	-0.0639	0.6551	0.6953
Q90593	0.5356	-0.3013	-0.1004	0.3849	-0.1670	0.6232	0.0677
A0A3Q2U871	0.5000	-0.2333	0.2667	0.7000	-0.0194	0.3368	0.0283

F1P291	-0.3333	0.4667	-0.5667	-0.5000	-0.5858	-0.4587	-0.6577
Q6IEC5	0.3000	0.0333	-0.2500	0.3333	-0.4055	0.2278	-0.2224
A0A3Q2U540	0.6167	-0.3667	0.2667	0.4167	-0.1688	0.5621	0.2202
B5BSS3	0.0730	0.4199	0.5842	0.0913	0.2651	-0.4651	0.2005
F1NEB3	0.3833	-0.5333	0.0167	0.3167	-0.2567	0.7582	0.3858
A0A3Q2U4V6	0.3445	-0.3698	-0.0252	0.1597	-0.3662	0.6428	0.1696
F1NWP1	-0.4167	0.3333	0.1500	-0.2167	0.1934	-0.5802	0.0020
A0A3Q2U324	-0.4333	0.0167	-0.4833	-0.5500	-0.6291	-0.1820	-0.3957
A0A2R3TVM2	0.0333	-0.2833	0.8167	0.0833	0.0506	0.1509	0.6395
Q5ZMT0	-0.2167	0.0167	0.1500	0.0333	0.2625	-0.3737	0.3082
E1C7T9	0.7364	-0.0837	0.6025	0.6025	0.3012	0.6146	0.0880
F1NSA8	-0.1681	0.2269	0.4034	-0.3782	0.0869	-0.2886	0.4901
E1BZN8	-0.5021	0.4519	0.1506	-0.4017	0.2466	-0.5626	-0.3477
Q5W9C5	0.6055	-0.2752	0.4679	0.3303	0.0747	0.7852	0.3582
F1P201	-0.6500	0.0500	-0.4833	-0.2667	-0.3870	-0.3733	-0.4513
A0A3Q2TZ57	-0.0833	-0.2833	-0.1833	0.0000	-0.1088	0.4601	-0.4482
P35062	0.6055	-0.2752	0.4679	0.3303	0.0747	0.7852	0.3582
F1NDH2	0.4184	-0.6695	0.4184	0.3347	-0.0802	0.7666	0.6469
A0A1D5NTE7	0.0667	-0.1667	-0.1000	-0.1000	-0.3484	0.4898	-0.1482
A0A3Q2TSW8	0.2623	0.3235	0.7170	0.0787	0.3450	-0.3669	0.1724
Q90944	-0.2678	0.3682	0.2678	-0.2510	0.2930	-0.4599	0.1081
A0A3Q2TUE5	0.3347	-0.5858	-0.0669	0.5021	0.2595	0.4825	-0.0708
A0A3Q2U775	-0.4370	0.2269	-0.6051	-0.3782	-0.3320	-0.2651	-0.6135
Q90631	-0.0504	0.4706	0.3193	0.1513	0.3136	-0.5030	-0.4149
F1NV09	0.4519	-0.0669	0.4184	0.2343	0.0999	0.7005	0.2729
F1P3P3	-0.3096	0.3431	0.0586	0.0167	0.2660	-0.6086	0.1293

A0A3Q2UFJ3	0.3656	-0.5570	0.1654	0.3133	0.0892	0.7930	0.3284
P79795	-0.5356	-0.2762	-0.4352	-0.1255	-0.3284	0.2574	-0.1945
P00565	-0.3109	0.5462	0.0168	-0.2857	0.1592	-0.6919	0.0456
A0A3Q2U0U0	-0.4557	0.3798	0.0760	-0.4811	0.0061	-0.7820	-0.2560
F1NBT0	0.3500	-0.4167	-0.0500	0.4333	0.1040	0.3560	0.0726
A0A3Q2TXN1	0.2000	-0.1667	-0.1500	-0.0333	-0.3372	0.4953	-0.3305
Q5ZLZ6	-0.0667	0.4333	0.5333	-0.1000	0.2741	-0.2198	0.1905
F1NSM7	0.0669	-0.0167	0.6025	0.0000	0.2346	-0.0113	0.6450
F1NLW7	0.0550	0.2752	0.6055	-0.1651	0.2868	-0.4520	0.2068
A0A3Q2U3X0	-0.3667	0.0833	0.2333	-0.3500	0.3824	-0.4507	0.2095
A0A1D5PLD7	0.3000	0.0833	0.4333	0.2167	0.2577	-0.3549	0.1549
F1NIW7	0.3798	-0.3545	0.0000	0.1772	0.0560	0.7877	0.3356
F1NVY4	0.0252	0.5799	0.3109	-0.0336	0.3360	-0.3941	0.1493
F1NCZ2	0.3235	-0.2885	0.8307	0.7345	0.1991	0.8105	0.4379
R4GJX3	0.0335	0.5523	0.6025	-0.2343	0.1876	-0.3330	0.1459
A0A1D5P9J0	-0.5000	-0.2167	-0.7333	-0.2833	-0.5914	-0.0962	-0.2666
A0A1D5PYR9	-0.2092	-0.1590	-0.6444	-0.3347	-0.4738	-0.0098	-0.4399
A0A1D5P6B0	-0.2752	0.6055	0.3303	-0.3853	0.2868	-0.4520	0.2068
P46157	0.3000	0.2833	0.6167	0.3833	0.3984	-0.1936	0.2013
Q90740	0.2043	0.0681	0.4937	0.2894	0.5908	-0.0974	0.0713
P00337	0.5188	-0.0335	0.7866	0.2008	-0.1173	0.5006	0.8998
A0A0K0PUH6	0.1333	0.1500	0.7000	0.1500	0.3212	-0.1511	0.2480
A0A3Q2TZU8	-0.6051	0.5883	-0.0756	-0.7395	0.1040	-0.5871	-0.2311
Q5ZHM4	0.0667	0.2500	0.4167	0.3167	0.4428	-0.1932	0.0767
A0A1L1RYU0	-0.0335	0.6025	0.2343	-0.0167	0.4277	-0.5383	-0.0139
E1C007	0.8167	-0.1500	0.2667	0.6667	0.3031	0.5415	0.1345

A0A2H4C5L1	-0.2752	0.6055	0.3303	-0.3853	0.2868	-0.4520	0.2068
Q5ZKY7	-0.2343	-0.4184	-0.4854	-0.3347	-0.3661	0.2986	-0.1489
Q5F3U5	0.5421	-0.3148	0.6645	0.4722	-0.1247	0.5356	0.3327
F1NSD3	0.4167	-0.2833	0.1667	0.2667	-0.2490	0.3979	0.6343
R4GKL8	-0.7333	0.2333	-0.5500	-0.6667	-0.3759	-0.6324	-0.4215
A0A3Q2U7Z1	0.4017	-0.0502	-0.2510	0.2008	-0.2939	0.4589	-0.0606
F1NYI9	0.0335	-0.1674	0.4017	0.1506	0.3155	-0.0934	0.4765
A0A3Q2U9L1	0.6390	-0.2556	0.4930	0.3469	-0.0783	0.8127	0.5423
A0A3Q2TX84	0.3013	-0.1841	-0.2845	0.0669	-0.3962	0.5858	0.4379
F1NPN5	-0.7029	-0.0753	-0.4854	-0.4937	-0.4125	-0.1053	-0.2642
A0A1D5PPP9	0.5594	-0.2373	0.6103	0.5594	0.2067	0.3120	0.0935
Q5F3I1	0.7029	-0.1339	0.7197	0.4184	-0.0267	0.7930	0.5383
A0A1L1RMF4	0.5690	-0.3347	0.5523	0.5523	0.3317	0.6040	0.4132
A0A3Q2UKP2	-0.3833	-0.0167	-0.5667	-0.2000	-0.1494	-0.0656	-0.7517
A0A3Q2UHT9	0.0000	0.2343	0.3682	-0.1506	0.2851	-0.4512	0.2120
F1NUJ7	0.6387	-0.3025	0.6219	0.7395	0.1361	0.7208	0.3460
A0A1D5PKY9	0.0500	-0.7500	0.1167	0.2000	-0.3261	0.8223	0.4178
A0A3Q2UHW3	-0.3028	-0.0275	-0.6881	-0.3853	-0.3615	-0.3332	-0.5650
A0A1L1RWM3	-0.2678	-0.0335	-0.6695	-0.2510	-0.2515	-0.0124	-0.5613
Q90WD0	-0.6723	0.2437	-0.6051	-0.6639	-0.1940	-0.7275	-0.4410
Q9DER4	-0.6583	0.4811	-0.6330	-0.6330	-0.1810	-0.7308	-0.4730
A0A1D5PIF2	0.1177	0.2605	0.6891	0.1092	-0.0910	-0.5461	0.1218
A0A3Q2U504	-0.4874	0.3866	0.0924	-0.5210	0.2656	-0.5005	0.1648
A0A1D5PY04	0.2176	-0.2510	-0.1674	0.0837	-0.0449	0.4341	0.0975
Q2IAL7	-0.5714	-0.0084	-0.5883	-0.6807	-0.5100	-0.3891	-0.0490
F1NM67	-0.0669	0.2176	0.1172	0.0000	0.3428	-0.3891	0.3103

A0A1D5PGT3	0.0550	0.2752	0.6055	-0.1651	0.2868	-0.4520	0.2068
A0A3Q2UDP3	0.5771	-0.5683	0.0525	0.4984	0.0205	0.6996	0.3428
R4GIW4	-0.2273	0.4022	0.0874	-0.1924	0.2135	-0.5981	0.1744
Q90XB2	0.1101	0.4404	0.5505	0.0550	0.2868	-0.4520	0.2068
F1C6U4	-0.1339	0.2176	0.3849	-0.3347	0.1290	-0.4662	0.3114
A0A1D5P9U9	-0.3950	0.4454	0.0336	-0.3361	0.2170	-0.4902	0.1234
P21760	0.5188	-0.3682	-0.0502	0.4017	-0.1177	0.7308	-0.0303
Q5ZLI2	0.5771	-0.5683	0.0525	0.4984	0.0643	0.7756	0.3587
Q2MJT5	-0.1167	-0.2833	-0.3500	0.0000	-0.1595	0.2516	-0.0959
Q5ZJX9	-0.3849	0.3682	0.1255	-0.2510	0.1953	-0.6097	0.0988
F1C6X7	0.3515	-0.2343	0.2427	0.1172	-0.2525	0.4814	0.1943
R4GLT1	0.6639	-0.3109	0.6387	0.5714	0.1635	0.7552	0.4623
E1BWW2	0.2025	0.0760	0.7342	0.0760	0.3705	-0.1046	0.4287
E1BUA6	-0.6606	0.1927	-0.7707	-0.6331	-0.3615	-0.3332	-0.5650
E1C0F3	0.5159	-0.5946	0.0437	0.5509	0.0235	0.8021	0.3139
A0A1D5NUZ0	0.2361	0.1924	0.7957	0.2361	0.3549	-0.3486	0.1649
Q91017	-0.2437	-0.0336	-0.6303	-0.3614	-0.4050	-0.2688	-0.5079
E1BW95	-0.0251	-0.0418	0.5439	0.1506	0.2997	-0.1339	0.2461
A0A1D5PPL7	0.1423	0.2762	0.5607	-0.0167	0.3518	-0.2147	0.3141
Q27J90	0.2929	-0.1841	-0.0586	0.1088	-0.4691	0.4694	-0.1473
A0A1L1RLL0	-0.2798	0.5946	0.2448	-0.2098	0.2847	-0.4559	0.1992
A0A3Q2UGF7	0.0167	0.0167	0.5021	-0.0502	0.1439	-0.1902	0.6926
A0A3Q2UIJ5	0.4404	-0.7156	0.2477	0.3853	0.0747	0.7852	0.3582
Q5G8Y9	-0.2773	0.5967	0.0588	-0.3193	0.2693	-0.5110	0.1307
Q04584	0.1915	0.1654	0.8182	0.1480	0.2194	-0.3069	0.3728
F1NBW3	-0.1000	-0.3000	-0.3833	-0.2667	-0.2651	0.4298	0.3621

A0A3Q2UBB3	-0.1306	-0.0522	-0.6441	-0.1480	-0.1959	-0.0261	-0.6555
A0A1D5PXN3	0.4068	0.2373	0.7798	0.3051	0.1385	-0.1382	0.1972
A0A1D5P5T7	-0.1849	-0.1345	-0.7143	-0.2353	-0.3196	-0.3231	-0.3940
A0A3Q3APB3	0.6076	-0.3798	0.6836	0.4304	0.0964	0.7799	0.3837
F1P4U3	0.4435	-0.4435	-0.1004	0.3347	-0.2222	0.6527	0.1071
H9L0D7	0.2361	0.1924	0.7957	0.2361	0.4047	-0.2254	0.1136
A0A1L1RUW5	0.2176	0.2176	0.7866	0.0167	0.2529	-0.3160	0.3688
E1BSI4	-0.2259	0.2259	0.3096	-0.0167	0.2844	-0.4696	0.1608
A0A3Q3AJD3	-0.7694	0.2798	-0.5509	-0.4896	-0.3613	-0.3332	-0.5650
A0A1D5PXM8	0.6862	-0.3180	0.6695	0.5523	0.3729	0.5504	0.4231
A0A3Q2UIT0	0.2092	0.1757	0.6778	0.3682	0.3384	-0.2967	0.2517
F1NL81	-0.2373	0.2008	-0.7303	-0.1826	-0.2967	-0.3653	-0.3605
A0M8U0	-0.4404	-0.1927	-0.6606	-0.4679	-0.3615	-0.3332	-0.5650
F1NIM0	-0.5799	0.1765	-0.2017	-0.4202	-0.0729	-0.4859	-0.2246
Q6PW00	0.6527	-0.2343	0.5356	0.6025	0.3199	0.3422	0.5433
Q5ZL65	0.3682	0.2343	0.7029	0.2510	0.2934	-0.4311	0.2155
F1NNF9	0.3038	0.1013	0.7849	0.3038	0.3074	-0.3948	0.2519
A0A3Q2TSK8	-0.4129	0.0000	-0.6331	-0.5230	-0.3615	-0.3332	-0.5650
A0A1D5PT95	0.6093	-0.5483	0.0783	0.5135	-0.2059	0.6848	0.5796
Q5ZL35	0.4286	-0.1597	0.5462	0.3025	0.3056	0.1866	0.5050
A0A1D5P7Y2	-0.4129	0.0000	-0.6331	-0.5230	-0.3615	-0.3332	-0.5650
A0A1L1RZV0	-0.3515	0.4017	0.3180	-0.4352	0.2865	-0.4525	0.2062
Q8UWG7	0.1266	0.1519	0.7342	0.2279	0.3328	-0.3084	0.3128
P87362	-0.5188	0.3682	0.1255	-0.4854	0.2392	-0.4714	0.1555
Q9W6V5	0.1590	0.0753	0.5774	0.2845	0.2874	-0.4156	0.2790
A0A3Q2TXS3	0.3013	-0.5105	-0.1506	0.2092	-0.2606	0.5422	-0.0527

E1C3Y3	0.5112	-0.2739	0.3651	0.3469	0.1041	0.7423	0.3293
E1C857	0.6444	-0.3431	0.7113	0.6193	0.2043	0.7982	0.5139
F1P386	0.3038	0.1013	0.7849	0.3038	0.3003	-0.4157	0.2360
Q90974	-0.6219	-0.0924	-0.5378	-0.1429	-0.3617	-0.1714	-0.5327
F1NLE7	0.6330	-0.3038	0.6583	0.5317	0.2539	0.6424	0.5345
Q9YHD2	0.1915	-0.3482	0.1132	-0.0348	-0.2952	0.6193	0.1814
Q5ZKS2	-0.4874	0.1393	-0.0348	-0.3133	-0.0670	-0.5757	0.0330
P23498	-0.3000	0.3167	-0.4833	-0.4500	0.1724	-0.4958	-0.6012
A0A1D5PMA3	0.8536	-0.3682	0.3598	0.6862	0.0372	0.5656	0.3397
F1NH19	0.3833	0.1167	0.7500	0.3333	0.1406	-0.0749	0.3047
Q9DF58	-0.7731	0.2773	-0.7395	-0.5967	-0.0170	-0.8062	-0.5674
F1NPS5	-0.3028	0.4679	0.4129	-0.2202	0.2868	-0.4520	0.2068
F1N8W8	-0.4404	-0.1927	-0.6606	-0.4679	-0.3615	-0.3332	-0.5650
Q98SR1	-0.0681	-0.4852	-0.3916	-0.1958	-0.5875	0.0799	-0.0317
A0A1D5PW36	-0.4017	0.1095	-0.6755	-0.3286	-0.3604	-0.3219	-0.6569
Q9BD54	0.5210	-0.3782	0.5883	0.4454	0.3428	0.4743	0.5346
F1N851	-0.7899	0.2269	-0.7227	-0.6639	-0.2647	-0.6425	-0.5229
E1C3X0	0.4454	-0.0504	0.8320	0.5294	0.3724	0.3349	0.2108
Q5ZJX7	-0.3320	-0.0681	-0.7576	-0.2298	-0.3032	-0.3100	-0.5980
E1C3D2	0.0550	0.2752	0.6055	-0.1651	0.2868	-0.4520	0.2068
E1C1Q3	0.6055	-0.2752	0.4679	0.3303	0.0747	0.7852	0.3582
Q5F442	0.4404	-0.7156	0.2477	0.3853	0.0747	0.7852	0.3582
Q7T190	0.1339	-0.5188	-0.3013	0.1339	-0.1429	0.5538	0.1047
O42351	0.2437	0.1765	0.8236	0.2017	0.3501	0.3045	0.4878
A0A1D5PMN6	0.2773	0.4118	0.6135	0.0504	0.1040	-0.1927	0.2837
Q7T2X3	-0.3286	0.4930	0.4199	-0.2373	0.2929	-0.3348	0.2156

A0A1D5PGI9	-0.4352	-0.0669	0.0502	-0.4519	-0.0683	-0.3309	0.1971
A0A3Q2TUM9	0.6330	-0.2025	0.7089	0.3798	0.2536	0.6429	0.5343
A0A1D5PNT8	0.3109	-0.0084	0.6891	0.1681	0.3222	-0.3409	0.2912

Table S4 *P* value for the correlation analysis between DEPs and plasmal parameters

	IL-1 β	IL-10	IL-6	TNF- α	IgM	IgG	IgA
A0A1D5NZY0	0.8641	0.0974	0.2032	0.6669	0.0346	0.6542	0.0674
F1NK40	0.0992	0.9322	0.3085	0.0424	0.0458	0.4588	0.6382
P01875	0.2242	0.3085	0.0096	0.0246	0.1621	0.0459	0.6030
A0A1D5PCD2	0.3807	0.6368	0.1392	0.5165	0.1667	0.6597	0.1030
A0A1D5PH32	0.9322	0.5457	0.2054	0.8647	0.3129	0.6961	0.7717
Q90933	0.3085	0.7650	0.2242	0.6059	0.1988	0.5393	0.3437
E1BTI7	0.8984	0.7001	0.4328	0.7980	0.9980	0.3560	0.3153
P68139	0.2355	0.0302	0.5205	0.3058	0.8486	0.0122	0.3439
Q7SX63	0.8641	0.9659	0.0753	0.9319	0.7876	0.9741	0.0768
Q6Q1Q8	0.0099	0.3444	0.3058	0.1246	0.8486	0.0122	0.3439
A0A3Q2TZA4	0.4600	0.5457	0.1250	0.5755	0.3336	0.5723	0.0628
P09244	1.0000	0.1231	0.9659	0.5440	0.7216	0.0957	0.5158
A0A3Q3ANZ2	0.3807	0.9322	0.0581	0.4328	0.0320	0.8253	0.3584
F1NW23	0.9661	0.5165	0.3317	0.8647	0.0919	0.7359	0.9150
O93410	0.2242	0.4879	0.0096	0.0072	0.3546	0.2262	0.3138
F1NQD9	0.4022	0.6656	0.0367	0.6656	0.3454	0.5293	0.0819
E1C7C1	0.3807	0.2646	0.0424	0.0298	0.2372	0.1737	0.3048

A0A1D5PGD5	0.3317	0.4064	0.7324	0.5165	0.2263	0.1860	0.2211
A5HUM6	0.6044	0.8979	0.0412	0.7971	0.3608	0.9375	0.1651
A0A3Q2U7A2	0.6682	0.8984	0.0053	0.5165	0.3249	0.7075	0.2982
P01994	0.9661	0.5755	0.2054	0.5457	0.1933	0.6855	0.3269
A0A3Q2U0N4	0.4064	0.8647	0.0769	0.5755	0.8753	0.6187	0.4422
A0A3Q2UGD4	0.4879	0.5457	0.0199	0.2440	0.1336	0.2172	0.2184
A0A3Q2UFG5	0.4328	0.7001	0.3317	0.7650	0.4686	0.6186	0.0788
A0A3Q2U3V9	0.0053	0.8647	0.8984	0.2054	0.6186	0.3164	0.9408
P26007	0.7980	0.8984	0.9322	0.7650	0.1910	0.3173	0.5021
A0A1D5NXR0	0.2646	0.6059	0.2646	0.2646	0.7637	0.0940	0.9923
A0A1D5P4G6	0.8647	0.7001	0.3807	0.8984	0.3240	0.1789	0.4367
A0A1D5P7D0	0.8984	0.7980	0.2242	0.7650	0.1231	0.9872	0.9706
R4GM71	0.6989	0.8641	0.0753	0.7313	0.3867	0.4914	0.2629
A0A173G7D2	0.1281	0.6656	0.1145	0.0252	0.1668	0.4510	0.4400
E1BY44	1.0000	1.0000	0.0567	0.7640	0.5384	0.5124	0.2542
Q70YQ8	0.3085	0.7650	0.0199	0.3807	0.8222	0.8731	0.6162
F1P2W2	0.3063	0.3063	0.8305	0.2624	0.9811	0.0708	0.9514
F1NWN4	0.0347	0.5147	0.0974	0.0347	0.4432	0.7102	0.2225
P07630	0.0191	0.9659	0.0068	0.3063	0.8702	0.0555	0.0376
Q90593	0.1373	0.4308	0.7971	0.3063	0.6676	0.0730	0.8626
A0A3Q2U871	0.1705	0.5457	0.4879	0.0358	0.9605	0.3755	0.9423
F1P291	0.3807	0.2054	0.1116	0.1705	0.0974	0.2142	0.0542
Q6IEC5	0.4328	0.9322	0.5165	0.3807	0.2789	0.5556	0.5652
A0A3Q2U540	0.0769	0.3317	0.4879	0.2646	0.6642	0.1152	0.5691
B5BSS3	0.8519	0.2605	0.0985	0.8153	0.4905	0.2071	0.6050
F1NEB3	0.3085	0.1392	0.9661	0.4064	0.5050	0.0179	0.3051

A0A3Q2U4V6	0.3639	0.3274	0.9487	0.6816	0.3324	0.0619	0.6626
F1NWP1	0.2646	0.3807	0.7001	0.5755	0.6180	0.1014	0.9960
A0A3Q2U324	0.2440	0.9661	0.1875	0.1250	0.0695	0.6392	0.2918
A0A2R3TVM2	0.9322	0.4600	0.0072	0.8312	0.8972	0.6983	0.0637
Q5ZMT0	0.5755	0.9661	0.7001	0.9322	0.4950	0.3218	0.4198
E1C7T9	0.0237	0.8305	0.0860	0.0860	0.4310	0.0782	0.8218
F1NSA8	0.6656	0.5571	0.2817	0.3156	0.8241	0.4514	0.1805
E1BZN8	0.1684	0.2220	0.6989	0.2839	0.5223	0.1148	0.3591
Q5W9C5	0.0840	0.4735	0.2040	0.3853	0.8486	0.0122	0.3439
F1P201	0.0581	0.8984	0.1875	0.4879	0.3035	0.3223	0.2227
A0A3Q2TZ57	0.8312	0.4600	0.6368	1.0000	0.7806	0.2126	0.2263
P35062	0.0840	0.4735	0.2040	0.3853	0.8486	0.0122	0.3439
F1NDH2	0.2624	0.0486	0.2624	0.3786	0.8375	0.0160	0.0597
A0A1D5NTE7	0.8647	0.6682	0.7980	0.7980	0.3582	0.1807	0.7036
A0A3Q2TSW8	0.4953	0.3957	0.0297	0.8405	0.3632	0.3314	0.6574
Q90944	0.4860	0.3296	0.4860	0.5147	0.4442	0.2129	0.7820
A0A3Q2TUE5	0.3786	0.0974	0.8641	0.1684	0.5002	0.1883	0.8563
A0A3Q2U775	0.2395	0.5571	0.0843	0.3156	0.3828	0.4906	0.0789
Q90631	0.8975	0.2011	0.4022	0.6977	0.4111	0.1675	0.2668
F1NV09	0.2220	0.8641	0.2624	0.5440	0.7981	0.0356	0.4775
F1P3P3	0.4175	0.3660	0.8810	0.9659	0.4890	0.0820	0.7403
A0A3Q2UFJ3	0.3333	0.1192	0.6707	0.4116	0.8196	0.0108	0.3883
P79795	0.1373	0.4720	0.2418	0.7476	0.3882	0.5037	0.6161
P00565	0.4154	0.1281	0.9658	0.4561	0.6824	0.0389	0.9074
A0A3Q2U0U0	0.2176	0.3134	0.8460	0.1899	0.9876	0.0128	0.5062
F1NBT0	0.3558	0.2646	0.8984	0.2440	0.7900	0.3470	0.8528

A0A3Q2TXN1	0.6059	0.6682	0.7001	0.9322	0.3748	0.1751	0.3850
Q5ZLZ6	0.8647	0.2440	0.1392	0.7980	0.4754	0.5698	0.6235
F1NSM7	0.8641	0.9659	0.0860	1.0000	0.5434	0.9770	0.0607
F1NLW7	0.8881	0.4735	0.0840	0.6711	0.4543	0.2219	0.5934
A0A3Q2U3X0	0.3317	0.8312	0.5457	0.3558	0.3098	0.2235	0.5885
A0A1D5PLD7	0.4328	0.8312	0.2440	0.5755	0.5032	0.3487	0.6907
F1NIW7	0.3134	0.3493	1.0000	0.6483	0.8863	0.0117	0.3773
F1NVY4	0.9487	0.1017	0.4154	0.9316	0.3766	0.2940	0.7015
F1NCZ2	0.3957	0.4515	0.0056	0.0242	0.6076	0.0081	0.2384
R4GJX3	0.9319	0.1231	0.0860	0.5440	0.6288	0.3812	0.7079
A0A1D5P9J0	0.1705	0.5755	0.0246	0.4600	0.0935	0.8056	0.4881
A0A1D5PYR9	0.5890	0.6828	0.0610	0.3786	0.1976	0.9800	0.2361
A0A1D5P6B0	0.4735	0.0840	0.3853	0.3058	0.4543	0.2219	0.5934
P46157	0.4328	0.4600	0.0769	0.3085	0.2882	0.6178	0.6035
Q90740	0.5980	0.8618	0.1768	0.4500	0.0939	0.8032	0.8554
P00337	0.1524	0.9319	0.0119	0.6044	0.7637	0.1699	0.0009
A0A0K0PUH6	0.7324	0.7001	0.0358	0.7001	0.3993	0.6980	0.5200
A0A3Q2TZU8	0.0843	0.0957	0.8467	0.0228	0.7900	0.0965	0.5497
Q5ZHM4	0.8647	0.5165	0.2646	0.4064	0.2326	0.6185	0.8444
A0A1L1RYU0	0.9319	0.0860	0.5440	0.9659	0.2509	0.1349	0.9717
E1C007	0.0072	0.7001	0.4879	0.0499	0.4279	0.1321	0.7302
A0A2H4C5L1	0.4735	0.0840	0.3853	0.3058	0.4543	0.2219	0.5934
Q5ZKY7	0.5440	0.2624	0.1854	0.3786	0.3326	0.4351	0.7022
Q5F3U5	0.1316	0.4094	0.0509	0.1994	0.7493	0.1372	0.3817
F1NSD3	0.2646	0.4600	0.6682	0.4879	0.5181	0.2889	0.0666
R4GKL8	0.0246	0.5457	0.1250	0.0499	0.3187	0.0676	0.2585

A0A3Q2U7Z1	0.2839	0.8979	0.5147	0.6044	0.4427	0.2140	0.8769
F1NYI9	0.9319	0.6669	0.2839	0.6989	0.4083	0.8112	0.1947
A0A3Q2U9L1	0.0639	0.5068	0.1775	0.3604	0.8413	0.0078	0.1314
A0A3Q2TX84	0.4308	0.6354	0.4581	0.8641	0.2911	0.0974	0.2385
F1NPN5	0.0347	0.8473	0.1854	0.1768	0.2699	0.7875	0.4922
A0A1D5PPP9	0.1173	0.5387	0.0809	0.1173	0.5936	0.4138	0.8109
Q5F3I1	0.0347	0.7313	0.0288	0.2624	0.9457	0.0108	0.1349
A0A1L1RMF4	0.1098	0.3786	0.1231	0.1231	0.3832	0.0850	0.2689
A0A3Q2UKP2	0.3085	0.9661	0.1116	0.6059	0.7013	0.8669	0.0195
A0A3Q2UHT9	1.0000	0.5440	0.3296	0.6989	0.4572	0.2228	0.5840
F1NUJ7	0.0641	0.4288	0.0738	0.0228	0.7269	0.0285	0.3618
A0A1D5PKY9	0.8984	0.0199	0.7650	0.6059	0.3917	0.0065	0.2632
A0A3Q2UHW3	0.4284	0.9440	0.0405	0.3058	0.3392	0.3809	0.1129
A0A1L1RWM3	0.4860	0.9319	0.0486	0.5147	0.5139	0.9748	0.1158
Q90WD0	0.0473	0.5274	0.0843	0.0512	0.6170	0.0263	0.2347
Q9DER4	0.0539	0.1899	0.0673	0.0673	0.6413	0.0253	0.1985
A0A1D5PIF2	0.7631	0.4984	0.0400	0.7796	0.8159	0.1283	0.7549
A0A3Q2U504	0.1832	0.3041	0.8130	0.1503	0.4897	0.1700	0.6719
A0A1D5PY04	0.5739	0.5147	0.6669	0.8305	0.9087	0.2431	0.8029
Q2IAL7	0.1080	0.9829	0.0957	0.0436	0.1607	0.3007	0.9005
F1NM67	0.8641	0.5739	0.7640	1.0000	0.3665	0.3007	0.4164
A0A1D5PGT3	0.8881	0.4735	0.0840	0.6711	0.4543	0.2219	0.5934
A0A3Q2UDP3	0.1037	0.1103	0.8934	0.1721	0.9582	0.0359	0.3665
R4GIW4	0.5564	0.2832	0.8230	0.6200	0.5812	0.0889	0.6537
Q90XB2	0.7780	0.2355	0.1246	0.8881	0.4543	0.2219	0.5934
F1C6U4	0.7313	0.5739	0.3063	0.3786	0.7408	0.2059	0.4146

A0A1D5P9U9	0.2928	0.2296	0.9316	0.3765	0.5749	0.1804	0.7519
P21760	0.1524	0.3296	0.8979	0.2839	0.7629	0.0253	0.9384
Q5ZLI2	0.1037	0.1103	0.8934	0.1721	0.8694	0.0140	0.3432
Q2MJT5	0.7650	0.4600	0.3558	1.0000	0.6818	0.5137	0.8061
Q5ZJX9	0.3063	0.3296	0.7476	0.5147	0.6146	0.0813	0.8003
F1C6X7	0.3537	0.5440	0.5292	0.7640	0.5122	0.1895	0.6164
R4GLT1	0.0512	0.4154	0.0641	0.1080	0.6743	0.0186	0.2103
E1BWW2	0.6012	0.8460	0.0243	0.8460	0.3264	0.7889	0.2496
E1BUA6	0.0528	0.6194	0.0151	0.0672	0.3392	0.3809	0.1129
E1C0F3	0.1551	0.0913	0.9111	0.1243	0.9522	0.0093	0.4108
A0A1D5NUZ0	0.5408	0.6200	0.0103	0.5408	0.3487	0.3578	0.6717
Q91017	0.5274	0.9316	0.0688	0.3393	0.2795	0.4843	0.1627
E1BW95	0.9489	0.9149	0.1301	0.6989	0.4334	0.7313	0.5232
A0A1D5PPL7	0.7150	0.4720	0.1163	0.9659	0.3531	0.5790	0.4105
Q27J90	0.4444	0.6354	0.8810	0.7806	0.2027	0.2024	0.7053
A0A1L1RLL0	0.4659	0.0913	0.5255	0.5879	0.4578	0.2174	0.6073
A0A3Q2UGF7	0.9659	0.9659	0.1684	0.8979	0.7118	0.6240	0.0387
A0A3Q2UIJ5	0.2355	0.0302	0.5205	0.3058	0.8486	0.0122	0.3439
Q5G8Y9	0.4700	0.0899	0.8805	0.4022	0.4834	0.1597	0.7375
Q04584	0.6216	0.6707	0.0070	0.7040	0.5706	0.4218	0.3231
F1NBW3	0.7980	0.4328	0.3085	0.4879	0.4907	0.2483	0.3382
A0A3Q2UBB3	0.7378	0.8939	0.0612	0.7040	0.6134	0.9468	0.0553
A0A1D5PXN3	0.2772	0.5387	0.0132	0.4246	0.7224	0.7228	0.6111
A0A1D5P5T7	0.6339	0.7302	0.0306	0.5422	0.4018	0.3964	0.2940
A0A3Q3APB3	0.0826	0.3134	0.0423	0.2475	0.8051	0.0132	0.3081
F1P4U3	0.2318	0.2318	0.7971	0.3786	0.5656	0.0567	0.7838

H9L0D7	0.5408	0.6200	0.0103	0.5408	0.2799	0.5598	0.7711
A0A1L1RUW5	0.5739	0.5739	0.0119	0.9659	0.5116	0.4075	0.3287
E1BSI4	0.5588	0.5588	0.4175	0.9659	0.4583	0.2022	0.6793
A0A3Q3AJD3	0.0153	0.4659	0.1243	0.1809	0.3393	0.3809	0.1129
A0A1D5PXM8	0.0412	0.4043	0.0486	0.1231	0.3229	0.1247	0.2565
A0A3Q2UIT0	0.5890	0.6511	0.0448	0.3296	0.3731	0.4382	0.5136
F1NL81	0.5386	0.6044	0.0255	0.6382	0.4381	0.3337	0.3405
A0M8U0	0.2355	0.6194	0.0528	0.2040	0.3392	0.3809	0.1129
F1NIM0	0.1017	0.6497	0.6028	0.2602	0.8521	0.1847	0.5612
Q6PW00	0.0567	0.5440	0.1373	0.0860	0.4014	0.3674	0.1306
Q5ZL65	0.3296	0.5440	0.0347	0.5147	0.4436	0.2467	0.5776
F1NNF9	0.4267	0.7954	0.0122	0.4267	0.4210	0.2930	0.5131
A0A3Q2TSK8	0.2694	1.0000	0.0672	0.1486	0.3392	0.3809	0.1129
A0A1D5PT95	0.0816	0.1264	0.8412	0.1573	0.5951	0.0418	0.1019
Q5ZL35	0.2497	0.6816	0.1281	0.4288	0.4240	0.6306	0.1655
A0A1D5P7Y2	0.2694	1.0000	0.0672	0.1486	0.3392	0.3809	0.1129
A0A1L1RZV0	0.3537	0.2839	0.4043	0.2418	0.4549	0.2213	0.5946
Q8UWG7	0.7455	0.6964	0.0243	0.5554	0.3816	0.4194	0.4125
P87362	0.1524	0.3296	0.7476	0.1854	0.5353	0.2002	0.6895
Q9W6V5	0.6828	0.8473	0.1035	0.4581	0.4533	0.2660	0.4672
A0A3Q2TXS3	0.4308	0.1603	0.6989	0.5890	0.4983	0.1315	0.8929
E1C3Y3	0.1596	0.4758	0.3339	0.3604	0.7899	0.0220	0.3868
E1C857	0.0610	0.3660	0.0317	0.0753	0.5980	0.0099	0.1570
F1P386	0.4267	0.7954	0.0122	0.4267	0.4324	0.2659	0.5411
Q90974	0.0738	0.8130	0.1353	0.7139	0.3388	0.6593	0.1398
F1NLE7	0.0673	0.4267	0.0539	0.1407	0.5097	0.0621	0.1382

Q9YHD2	0.6216	0.3585	0.7719	0.9291	0.4406	0.0753	0.6405
Q5ZKS2	0.1832	0.7208	0.9291	0.4116	0.8641	0.1048	0.9329
P23498	0.4328	0.4064	0.1875	0.2242	0.6574	0.1747	0.0869
A0A1D5PMA3	0.0034	0.3296	0.3415	0.0412	0.9242	0.1124	0.3711
F1NH19	0.3085	0.7650	0.0199	0.3807	0.7183	0.8482	0.4252
Q9DF58	0.0145	0.4700	0.0228	0.0899	0.9654	0.0087	0.1110
F1NPS5	0.4284	0.2040	0.2694	0.5692	0.4543	0.2219	0.5934
F1N8W8	0.2355	0.6194	0.0528	0.2040	0.3392	0.3809	0.1129
Q98SR1	0.8618	0.1855	0.2973	0.6137	0.0962	0.8381	0.9355
A0A1D5PW36	0.2839	0.7791	0.0458	0.3879	0.3407	0.3983	0.0546
Q9BD54	0.1503	0.3156	0.0957	0.2296	0.3665	0.1971	0.1381
F1N851	0.0113	0.5571	0.0278	0.0512	0.4913	0.0620	0.1486
E1C3X0	0.2296	0.8975	0.0054	0.1427	0.3237	0.3783	0.5861
Q5ZJX7	0.3828	0.8618	0.0180	0.5519	0.4278	0.4169	0.0890
E1C3D2	0.8881	0.4735	0.0840	0.6711	0.4543	0.2219	0.5934
E1C1Q3	0.0840	0.4735	0.2040	0.3853	0.8486	0.0122	0.3439
Q5F442	0.2355	0.0302	0.5205	0.3058	0.8486	0.0122	0.3439
Q7T190	0.7313	0.1524	0.4308	0.7313	0.7138	0.1218	0.7886
O42351	0.5274	0.6497	0.0064	0.6028	0.3556	0.4256	0.1828
A0A1D5PMN6	0.4700	0.2708	0.0789	0.8975	0.7899	0.6194	0.4594
Q7T2X3	0.3879	0.1775	0.2605	0.5386	0.4443	0.3785	0.5774
A0A1D5PGI9	0.2418	0.8641	0.8979	0.2220	0.8614	0.3845	0.6112
A0A3Q2TUM9	0.0673	0.6012	0.0325	0.3134	0.5103	0.0618	0.1384
A0A1D5PNT8	0.4154	0.9829	0.0400	0.6656	0.3978	0.3694	0.4471

Table S5 Correlation coefficient (r) for the correlation analysis between DEPs and jejunal parameters

	IL-1β	IL-10	IL-6	TNF-α	IgM	IgG	IgA
A0A1D5NZY0	0.6234	0.2373	-0.2351	0.3426	-0.2457	0.0421	0.0349
F1NK40	0.5289	-0.0342	-0.4523	-0.0445	0.1977	0.2190	0.7435
P01875	0.4275	0.2597	0.6595	0.1002	-0.3997	0.1125	0.1975
A0A1D5PCD2	-0.8075	-0.5915	-0.2252	0.4307	0.5749	-0.2195	-0.2368
A0A1D5PH32	0.0199	-0.6024	0.4003	0.6422	-0.2792	0.2222	-0.3840
Q90933	-0.6467	-0.2635	-0.1217	0.3696	0.2135	0.3377	0.1825
E1BTI7	0.1994	0.9070	-0.1410	-0.1188	0.1034	0.5040	0.7831
P68139	0.5197	-0.3916	0.6571	0.3201	-0.7591	0.1162	-0.3484
Q7SX63	0.2633	0.7578	-0.1558	-0.5591	-0.0366	-0.0648	0.4334
Q6Q1Q8	0.5197	-0.3916	0.6571	0.3201	-0.7591	0.1162	-0.3484
A0A3Q2TZA4	-0.7511	-0.5470	-0.3423	0.1889	0.7339	-0.5430	-0.3992
P09244	-0.0489	0.5931	-0.7236	-0.3619	0.4002	0.1214	0.4639
A0A3Q3ANZ2	-0.6642	-0.6188	-0.0921	0.2945	0.1363	0.0185	-0.2752
F1NW23	0.0558	-0.6540	0.2450	0.4988	-0.3654	0.2036	-0.4923
O93410	0.5956	0.5942	0.6479	0.1868	-0.4142	0.4543	0.4670
F1NQD9	0.8863	0.5424	0.2984	-0.2720	-0.6274	0.3281	0.1906
E1C7C1	0.7125	0.3797	0.7487	0.1644	-0.6245	0.3922	0.2433
A0A1D5PGD5	0.2893	-0.5640	0.2225	0.4558	-0.5844	0.2263	-0.3760
A5HUM6	0.5618	0.7154	0.1011	-0.5409	-0.2248	0.0646	0.3696
A0A3Q2U7A2	0.3783	0.6916	0.2699	-0.5034	-0.2155	-0.0633	0.3240

P01994	0.4070	0.9363	0.0627	-0.1537	0.0173	0.3375	0.7480
A0A3Q2U0N4	0.6495	0.3694	0.6201	-0.2527	-0.5295	0.0981	-0.1093
A0A3Q2UGD4	0.5380	0.6297	0.3211	-0.0071	-0.1400	0.0726	0.4375
A0A3Q2UFG5	-0.7659	-0.6266	-0.0413	0.3528	0.5440	-0.4615	-0.3331
A0A3Q2U3V9	-0.5791	0.5684	-0.3559	-0.0252	0.7376	-0.0542	0.6460
P26007	-0.0847	-0.6690	0.5133	0.3136	-0.1704	-0.2716	-0.7222
A0A1D5NXR0	-0.0225	0.6821	-0.1767	-0.7345	0.2676	-0.2001	0.1661
A0A1D5P4G6	0.3108	-0.3310	0.5058	0.2436	-0.3862	-0.1536	-0.4963
A0A1D5P7D0	-0.2750	-0.6040	-0.3687	0.4473	0.0583	0.1575	-0.2304
R4GM71	0.5292	0.7651	0.0115	-0.5063	-0.0947	0.1022	0.4060
A0A173G7D2	-0.7398	-0.4507	-0.5181	0.2989	0.5592	-0.1576	-0.0797
E1BY44	0.2882	0.7861	-0.1595	-0.6157	0.0595	-0.0125	0.4873
Q70YQ8	0.4343	0.5167	0.2915	-0.6043	-0.3604	0.0401	0.0239
F1P2W2	-0.3042	0.5986	-0.5740	-0.3839	0.4314	0.1359	0.5919
F1NWN4	-0.9506	-0.3468	-0.2076	0.1014	0.5883	-0.4060	-0.0213
P07630	0.5302	0.0195	0.1644	-0.0784	-0.5003	-0.0425	-0.1399
Q90593	0.1481	-0.7625	0.3433	0.5774	-0.5421	0.2220	-0.4127
A0A3Q2U871	0.4452	-0.2678	0.7652	0.5789	-0.5976	0.4466	-0.1942
F1P291	-0.6046	-0.5221	-0.3752	0.0665	0.5196	-0.2595	-0.4673
Q6IEC5	0.1700	-0.7287	0.4199	0.3209	-0.4442	0.0619	-0.7351
A0A3Q2U540	0.3881	-0.3984	0.6352	0.1343	-0.8134	0.2081	-0.4048
B5BSS3	0.2517	0.7901	-0.2501	-0.6499	0.1980	-0.0002	0.4553
F1NEB3	0.1676	-0.5754	0.5232	0.3902	-0.6396	0.0328	-0.3692
A0A3Q2U4V6	-0.0741	-0.8082	0.2495	0.5799	-0.3470	-0.0305	-0.4465
F1NWP1	-0.1167	0.7375	-0.3798	-0.5300	0.4573	-0.0031	0.5891
A0A3Q2U324	-0.8492	-0.5712	-0.3937	0.1735	0.5026	-0.3003	-0.2576

A0A2R3TVM2	0.1656	0.7906	-0.0464	-0.2165	0.0925	0.0482	0.6349
Q5ZMT0	0.5052	0.7092	0.1972	-0.3157	-0.3180	0.4058	0.4092
E1C7T9	0.4755	-0.1675	0.5419	0.0383	-0.6325	0.1490	-0.2118
F1NSA8	0.2518	0.7873	-0.3493	-0.5931	0.1666	-0.0648	0.4413
E1BZN8	-0.2439	0.6132	-0.2052	-0.5719	0.6210	-0.3977	0.2311
Q5W9C5	0.5197	-0.3916	0.6571	0.3201	-0.7591	0.1162	-0.3484
F1P201	-0.8212	-0.0987	-0.2480	0.3586	0.5895	0.1281	0.3096
A0A3Q2TZ57	-0.3017	-0.6932	0.5423	0.2669	-0.2006	-0.2092	-0.5034
P35062	0.5197	-0.3916	0.6571	0.3201	-0.7591	0.1162	-0.3484
F1NDH2	0.2705	-0.2354	0.4755	0.2531	-0.7232	0.1852	-0.0207
A0A1D5NTE7	-0.2048	-0.6952	0.2368	0.3540	0.0812	-0.5028	-0.6458
A0A3Q2TSW8	0.2867	0.7979	-0.1825	-0.6575	0.1402	-0.0011	0.4376
Q90944	0.1223	0.7732	-0.2683	-0.6565	0.2634	-0.0309	0.4887
A0A3Q2TUE5	0.2511	-0.3809	0.7858	0.3890	-0.6532	0.2686	-0.1869
A0A3Q2U775	-0.7742	-0.5701	-0.3495	0.3299	0.5157	-0.1205	-0.1628
Q90631	-0.1772	0.5244	-0.2796	-0.5183	0.4186	-0.0602	0.3111
F1NV09	0.5755	-0.3790	0.6388	0.3061	-0.6868	0.0674	-0.4214
F1P3P3	0.2747	0.7959	-0.3786	-0.5336	0.1953	0.2190	0.5174
A0A3Q2UFJ3	0.5048	-0.3990	0.6631	0.3103	-0.7559	0.1112	-0.3517
P79795	-0.5982	-0.2899	0.0308	0.8304	0.4224	0.1531	0.2617
P00565	0.0844	0.7838	-0.5242	-0.5027	0.3538	0.1667	0.5157
A0A3Q2U0U0	-0.3828	0.5559	-0.6245	-0.4301	0.6992	-0.0994	0.4128
F1NBT0	0.4553	-0.3949	0.6106	0.5087	-0.5959	0.3036	-0.2910
A0A3Q2TXN1	-0.3218	-0.8604	0.3788	0.3470	-0.1225	-0.3377	-0.6714
Q5ZLZ6	0.6471	0.6439	0.1201	-0.5002	-0.1112	-0.0418	0.0258
F1NSM7	0.5432	0.7696	0.0957	-0.4409	-0.2496	0.0781	0.3800

F1NLW7	0.2532	0.9055	-0.2555	-0.6403	0.2041	0.0000	0.4708
A0A3Q2U3X0	0.2574	0.7861	-0.3214	-0.6910	0.2050	-0.0671	0.4390
A0A1D5PLD7	0.6269	0.4463	0.2004	-0.6226	-0.4110	0.0523	-0.1095
F1NIW7	0.4896	-0.4319	0.6521	0.3473	-0.7481	0.1127	-0.3649
F1NVY4	0.2559	0.7878	-0.2080	-0.6594	0.1720	-0.0069	0.4438
F1NCZ2	0.4861	0.1442	0.7397	0.4946	-0.4958	0.3228	0.2192
R4GJX3	0.2060	0.7487	-0.2506	-0.6443	0.3574	-0.3343	0.1990
A0A1D5P9J0	-0.2939	-0.6720	0.2614	0.3748	-0.2127	0.1241	-0.4531
A0A1D5PYR9	-0.6841	-0.7463	-0.2651	0.4162	0.4639	-0.3357	-0.4061
A0A1D5P6B0	0.2532	0.9055	-0.2555	-0.6403	0.2041	0.0000	0.4708
P46157	0.4447	0.7821	-0.0689	-0.4350	-0.0543	0.2843	0.5024
Q90740	0.6490	0.6268	0.4133	-0.3602	-0.3412	0.2117	0.2119
P00337	0.5548	0.2183	0.0804	-0.1056	-0.4727	0.0295	0.0419
A0A0K0PUH6	0.2006	0.9393	-0.0441	-0.4060	0.1818	0.0990	0.6440
A0A3Q2TZU8	-0.1510	0.5989	-0.4367	-0.5847	0.7007	-0.4399	0.1473
Q5ZHM4	0.2722	0.7980	0.0187	-0.3625	-0.0237	0.3375	0.6076
A0A1L1RYU0	0.5131	0.7413	-0.0208	-0.3943	0.0357	0.2040	0.2913
E1C007	0.6351	-0.2499	0.6686	0.2843	-0.8458	0.4494	-0.1876
A0A2H4C5L1	0.2532	0.9055	-0.2555	-0.6403	0.2041	0.0000	0.4708
Q5ZKY7	-0.6081	-0.7217	0.0966	0.5129	0.0023	-0.0570	-0.1814
Q5F3U5	0.5669	-0.2545	0.6751	0.0635	-0.7997	0.1154	-0.4361
F1NSD3	0.5432	-0.1417	0.4374	0.2028	-0.7021	0.2236	-0.2116
R4GKL8	-0.8095	-0.0371	-0.6261	-0.0753	0.7622	-0.2093	0.1262
A0A3Q2U7Z1	-0.1201	-0.7379	-0.0123	0.4405	-0.2095	0.0735	-0.3794
F1NYI9	0.6306	0.6580	0.2635	-0.2670	-0.3233	0.1913	0.2906
A0A3Q2U9L1	0.4698	-0.3758	0.5071	0.3034	-0.7001	0.0540	-0.3199

A0A3Q2TX84	0.1697	-0.6118	0.1237	0.5052	-0.4085	0.0606	-0.3662
F1NPN5	-0.7571	-0.2064	-0.3367	0.5394	0.6552	0.0087	0.2543
A0A1D5PPP9	0.5953	-0.0709	0.8001	0.2926	-0.6576	0.3242	-0.1768
Q5F3I1	0.5248	-0.2895	0.5191	0.2179	-0.6696	-0.0091	-0.3285
A0A1L1RMF4	0.7257	-0.0030	0.7164	0.1288	-0.8822	0.3570	-0.0611
A0A3Q2UKP2	-0.3279	-0.6974	0.3458	0.3616	0.0802	-0.1525	-0.5708
A0A3Q2UHT9	0.2565	0.7906	-0.2569	-0.6392	0.2015	0.0027	0.4716
F1NUJ7	0.5854	-0.3215	0.7013	0.3083	-0.7788	0.1587	-0.3179
A0A1D5PKY9	-0.0686	-0.5368	0.3626	0.5054	-0.3483	-0.0868	-0.2197
A0A3Q2UHW3	-0.7729	-0.5139	-0.4016	0.3201	0.5550	-0.1162	-0.1224
A0A1L1RWM3	-0.4245	-0.7188	0.0555	0.4576	0.3140	-0.3045	-0.5208
Q90WD0	-0.8657	0.1505	-0.6701	-0.1553	0.7883	-0.1374	0.2421
Q9DER4	-0.6703	0.1346	-0.6530	-0.1438	0.7852	-0.1308	0.2328
A0A1D5PIF2	0.2631	0.7021	-0.0734	-0.7101	0.0026	0.0090	0.1359
A0A3Q2U504	0.1853	0.7898	-0.3005	-0.6382	0.2635	-0.0107	0.4850
A0A1D5PY04	0.3166	-0.4469	0.5053	0.3893	-0.3531	-0.1084	-0.4772
Q2IAL7	-0.6711	-0.0920	-0.7282	0.0173	0.6624	-0.2218	0.1158
F1NM67	0.6137	0.7444	0.0581	-0.2935	-0.1789	0.3241	0.3729
A0A1D5PGT3	0.2532	0.7905	-0.2555	-0.6403	0.2041	0.0000	0.4708
A0A3Q2UDP3	0.5554	-0.4696	0.5387	0.4415	-0.8038	0.3230	-0.3230
R4GIW4	0.2833	0.7821	-0.4394	-0.4939	0.1736	0.2720	0.5203
Q90XB2	0.2532	0.7905	-0.2555	-0.6403	0.2041	0.0000	0.4708
F1C6U4	0.1336	0.7870	-0.4153	-0.6091	0.2836	-0.0208	0.5100
A0A1D5P9U9	-0.0562	0.7833	-0.2750	-0.5867	0.3054	-0.0217	0.5687
P21760	0.0069	-0.7587	0.4208	0.4451	-0.4448	-0.0170	-0.4663
Q5ZLI2	0.5323	-0.4116	0.6395	0.3483	-0.7760	0.1598	-0.3467

Q2MJT5	-0.0354	-0.5553	0.3845	0.7181	-0.1907	0.1801	-0.2302
Q5ZJX9	0.1311	0.7856	-0.4404	-0.4531	0.3305	0.2045	0.5875
F1C6X7	0.4226	-0.3830	0.6638	0.0731	-0.6995	0.0015	-0.5692
R4GLT1	0.6228	-0.1796	0.6726	0.1771	-0.8092	0.1299	-0.2361
E1BWW2	0.5679	0.7837	0.0541	-0.5686	-0.1675	0.0617	0.3581
E1BUA6	-0.7729	-0.5139	-0.4016	0.3201	0.5550	-0.1162	-0.1224
E1C0F3	0.2973	-0.4709	0.6826	0.3812	-0.7233	0.1058	-0.2858
A0A1D5NUZ0	0.2920	0.7870	-0.1674	-0.6580	0.1271	-0.0014	0.4293
Q91017	-0.7682	-0.5599	-0.3979	0.3512	0.5244	-0.1274	-0.1489
E1BW95	0.5316	0.6019	0.1820	-0.3824	-0.0406	-0.1495	0.0700
A0A1D5PPL7	0.6566	0.7385	0.0782	-0.4459	-0.1092	0.0355	0.1968
Q27J90	-0.2117	-0.8722	0.2855	0.4120	-0.3111	-0.0618	-0.5952
A0A1L1RLL0	0.2470	0.9033	-0.2595	-0.6422	0.2146	-0.0095	0.4656
A0A3Q2UGF7	0.4451	0.7983	-0.1401	-0.3667	-0.2463	0.3662	0.5993
A0A3Q2UIJ5	0.5197	-0.3916	0.6571	0.3201	-0.7591	0.1162	-0.3484
Q5G8Y9	0.1673	0.7888	-0.3135	-0.6435	0.2831	-0.0172	0.4780
Q04584	0.2804	0.7928	-0.2295	-0.5517	0.1754	0.0171	0.5272
F1NBW3	0.3207	-0.4497	0.4376	0.4356	-0.5329	0.1078	-0.3669
A0A3Q2UBB3	-0.6389	-0.6566	-0.1502	0.3247	0.2996	-0.0788	-0.2537
A0A1D5PXN3	0.3522	0.6353	0.0323	-0.6738	-0.1334	-0.0302	0.1486
A0A1D5P5T7	-0.4576	-0.4713	-0.4199	0.3990	0.2897	0.2176	-0.0580
A0A3Q3APB3	0.5535	-0.3430	0.6609	0.2871	-0.7697	0.1199	-0.3277
F1P4U3	0.0607	-0.6899	0.6148	0.4452	-0.6149	0.0720	-0.4368
H9L0D7	0.3156	0.7871	-0.0694	-0.6407	0.0423	-0.0027	0.3643
A0A1L1RUW5	0.3492	0.7896	-0.2102	-0.6302	0.1003	-0.0130	0.4411
E1BSI4	0.1727	0.7896	-0.2678	-0.6459	0.2413	-0.0104	0.4951

A0A3Q3AJD3	-0.7731	-0.5131	-0.4015	0.3206	0.5556	-0.1159	-0.1214
A0A1D5PXM8	0.6851	0.2349	0.5545	-0.1766	-0.6842	0.1441	-0.0033
A0A3Q2UIT0	0.3084	0.7965	-0.0886	-0.4775	0.1589	0.0997	0.5789
F1NL81	-0.4007	-0.4009	-0.4521	0.3664	0.2739	0.2706	-0.0114
A0M8U0	-0.7729	-0.5139	-0.4016	0.3201	0.5550	-0.1162	-0.1224
F1NIM0	-0.6807	0.2694	-0.3493	-0.2018	0.5207	-0.0821	0.4390
Q6PW00	0.9590	0.2373	0.4525	0.0378	-0.8265	0.5123	0.0452
Q5ZL65	0.2666	0.7904	-0.2441	-0.6443	0.1870	0.0008	0.4663
F1NNF9	0.3165	0.7908	-0.2019	-0.6379	0.1381	0.0115	0.4578
A0A3Q2TSK8	-0.7729	-0.5139	-0.4016	0.3201	0.5550	-0.1162	-0.1224
A0A1D5PT95	0.4665	-0.4417	0.2768	0.4233	-0.6920	0.2661	-0.2619
Q5ZL35	0.7751	0.3902	0.4786	-0.0755	-0.5630	0.2247	0.0782
A0A1D5P7Y2	-0.7729	-0.5139	-0.4016	0.3201	0.5550	-0.1162	-0.1224
A0A1L1RZV0	0.2525	0.7905	-0.2559	-0.6404	0.2053	-0.0012	0.4702
Q8UWG7	0.4023	0.7900	-0.1233	-0.6264	0.0425	0.0278	0.4335
P87362	0.0135	0.7860	-0.2564	-0.6046	0.2703	-0.0144	0.5594
Q9W6V5	0.3260	0.7914	-0.2207	-0.6216	0.1389	0.0294	0.4680
A0A3Q2TXS3	0.0537	-0.8162	0.5119	0.5489	-0.5028	0.0729	-0.5546
E1C3Y3	0.5437	-0.3781	0.6890	0.3382	-0.8073	0.1457	-0.3425
E1C857	0.5712	0.1550	0.7108	0.3742	-0.5702	0.2798	0.1555
F1P386	0.2940	0.7708	-0.2213	-0.6393	0.1619	0.0074	0.4628
Q90974	-0.7579	-0.5500	-0.2679	0.4939	0.5064	-0.0493	-0.0830
F1NLE7	0.7481	0.0773	0.6094	-0.0048	-0.7572	0.1342	-0.1270
Q9YHD2	0.0573	-0.5716	0.2190	0.2693	-0.1232	-0.4361	-0.5877
Q5ZKS2	-0.1510	0.6720	-0.1641	-0.6197	0.2074	-0.0238	0.3695
P23498	-0.5775	-0.1274	-0.7021	-0.3307	0.7235	-0.4592	-0.0766

A0A1D5PMA3	0.5913	-0.4568	0.3645	0.4469	-0.8093	0.4545	-0.2639
F1NH19	0.4828	0.6031	0.2173	-0.5771	-0.4039	0.1822	0.1785
Q9DF58	-0.4937	0.1612	-0.4241	-0.0556	0.6489	0.0064	0.2186
F1NPS5	0.2532	0.9055	-0.2555	-0.6403	0.2041	0.0000	0.4708
F1N8W8	-0.7729	-0.5139	-0.4016	0.3201	0.5550	-0.1162	-0.1224
Q98SR1	-0.5634	-0.6494	-0.3256	0.4575	0.2667	-0.1472	-0.2306
A0A1D5PW36	-0.7822	-0.5336	-0.3953	0.2511	0.6899	-0.3432	-0.2730
Q9BD54	0.8086	0.2953	0.5668	-0.1310	-0.6965	0.1616	-0.0098
F1N851	-0.7053	-0.1330	-0.5407	0.1015	0.7027	-0.0890	0.0945
E1C3X0	0.4497	0.3625	0.2713	-0.3972	-0.3513	-0.0016	0.0711
Q5ZJX7	-0.6825	-0.5679	-0.2566	0.4118	0.4488	-0.0481	-0.1691
E1C3D2	0.2532	0.7905	-0.2555	-0.6403	0.2041	0.0000	0.4708
E1C1Q3	0.5197	-0.3916	0.6571	0.3201	-0.7591	0.1162	-0.3484
Q5F442	0.5197	-0.3916	0.6571	0.3201	-0.7591	0.1162	-0.3484
Q7T190	-0.1335	-0.6230	0.3769	0.5289	-0.5252	0.3048	-0.1031
O42351	0.7302	0.5027	0.3727	-0.3604	-0.4411	-0.0154	0.0481
A0A1D5PMN6	0.0749	0.6987	-0.3824	-0.6346	0.2339	-0.1465	0.3724
Q7T2X3	0.2068	0.9712	-0.1520	-0.4346	0.2639	0.0971	0.6317
A0A1D5PGI9	-0.4165	0.5432	-0.3755	-0.4091	0.3798	-0.1177	0.5383
A0A3Q2TUM9	0.7478	0.0762	0.6097	-0.0040	-0.7574	0.1342	-0.1275
A0A1D5PNT8	0.3421	0.7808	-0.1476	-0.6327	0.0818	0.0211	0.4622

Table S6 *P* value for the correlation analysis between DEPs and jejunal parameters

	IL-1β	IL-10	IL-6	TNF-α	IgM	IgG	IgA
A0A1D5NZY0	0.0134	0.2215	0.1269	0.4267	0.6103	0.0156	0.0296
F1NK40	0.2742	0.0864	0.0876	0.9213	0.5398	0.4326	0.0721
P01875	0.2511	0.4997	0.0533	0.7976	0.2866	0.7731	0.6105
A0A1D5PCD2	0.0085	0.0934	0.5601	0.2472	0.1054	0.5705	0.5395
A0A1D5PH32	0.9594	0.0860	0.2857	0.0622	0.4668	0.5655	0.3076
Q90933	0.0598	0.4933	0.7551	0.3276	0.5813	0.3742	0.6384
E1BTI7	0.6069	0.0007	0.7176	0.7608	0.7912	0.1666	0.0126
P68139	0.1516	0.2972	0.0545	0.4010	0.0177	0.7659	0.3582
Q7SX63	0.4937	0.0180	0.6889	0.1175	0.9256	0.8684	0.2439
Q6Q1Q8	0.1516	0.2972	0.0545	0.4010	0.0177	0.7659	0.3582
A0A3Q2TZA4	0.0197	0.1275	0.3673	0.6264	0.0244	0.1309	0.2871
P09244	0.9006	0.0923	0.0275	0.3386	0.2859	0.7557	0.2085
A0A3Q3ANZ2	0.0511	0.0756	0.8136	0.4418	0.7266	0.9624	0.4736
F1NW23	0.8867	0.0560	0.5252	0.1716	0.3335	0.5994	0.1782
O93410	0.0906	0.0915	0.0592	0.6304	0.2677	0.2193	0.2050
F1NQD9	0.0015	0.1313	0.4355	0.4789	0.0705	0.3886	0.6233
E1C7C1	0.0313	0.3135	0.0203	0.6726	0.0722	0.2965	0.5282
A0A1D5PGD5	0.4502	0.1137	0.5650	0.2176	0.0984	0.5583	0.3186
A5HUM6	0.1154	0.0074	0.7959	0.1327	0.5610	0.8689	0.3275
A0A3Q2U7A2	0.3154	0.0390	0.4825	0.1671	0.5776	0.8714	0.3950
P01994	0.2770	0.0002	0.8728	0.6930	0.9648	0.3744	0.0205
A0A3Q2U0N4	0.0583	0.3278	0.0749	0.5118	0.1427	0.8018	0.7796

A0A3Q2UGD4	0.1352	0.0692	0.3995	0.9856	0.7194	0.8528	0.2389
A0A3Q2UFG5	0.0161	0.0709	0.9159	0.3517	0.1300	0.2111	0.3811
A0A3Q2U3V9	0.1022	0.1103	0.3471	0.9486	0.0233	0.8898	0.0602
P26007	0.8285	0.0488	0.1576	0.4111	0.6611	0.4796	0.0280
A0A1D5NXR0	0.9543	0.0430	0.6493	0.0242	0.4863	0.6057	0.6694
A0A1D5P4G6	0.4156	0.3843	0.1647	0.5277	0.3046	0.6932	0.1742
A0A1D5P7D0	0.4738	0.0850	0.3288	0.2274	0.8816	0.6858	0.5510
R4GM71	0.1429	0.0260	0.9766	0.1643	0.8084	0.7935	0.2783
A0A173G7D2	0.0227	0.2234	0.1531	0.4346	0.1175	0.6856	0.8385
E1BY44	0.4520	0.0015	0.6819	0.0775	0.8792	0.9746	0.1833
Q70YQ8	0.2428	0.1544	0.4466	0.0848	0.3407	0.9184	0.9513
F1P2W2	0.4260	0.0886	0.1060	0.3077	0.2463	0.7273	0.0931
F1NWN4	0.0001	0.3605	0.5920	0.7952	0.0957	0.2783	0.9566
P07630	0.1420	0.9603	0.6726	0.8412	0.1702	0.9136	0.7196
Q90593	0.7037	0.0169	0.3657	0.1035	0.1316	0.5660	0.2696
A0A3Q2U871	0.2299	0.4861	0.0163	0.1024	0.0892	0.2282	0.6165
F1P291	0.0846	0.1493	0.3197	0.8650	0.1517	0.5000	0.2047
Q6IEC5	0.6619	0.0259	0.2606	0.3998	0.2310	0.8744	0.0240
A0A3Q2U540	0.3020	0.2882	0.0661	0.7306	0.0077	0.5911	0.2798
B5BSS3	0.5135	0.0193	0.5163	0.0581	0.6096	0.9996	0.2181
F1NEB3	0.6665	0.1050	0.1484	0.2992	0.0636	0.9332	0.3281
A0A3Q2U4V6	0.8498	0.0084	0.5173	0.1016	0.3603	0.9379	0.2283
F1NWP1	0.7650	0.0048	0.3134	0.1422	0.2159	0.9937	0.0951
A0A3Q2U324	0.0038	0.1081	0.2944	0.6554	0.1679	0.4324	0.5033
A0A2R3TVM2	0.6703	0.0087	0.9056	0.5758	0.8130	0.9021	0.0662
Q5ZMT0	0.1653	0.0324	0.6110	0.4079	0.4043	0.2785	0.2741

E1C7T9	0.1957	0.6666	0.1317	0.9221	0.0676	0.7020	0.5844
F1NSA8	0.5134	0.0049	0.3569	0.0923	0.6684	0.8684	0.2344
E1BZN8	0.5272	0.0791	0.5963	0.1076	0.0743	0.2891	0.5497
Q5W9C5	0.1516	0.2972	0.0545	0.4010	0.0177	0.7659	0.3582
F1P201	0.0066	0.8005	0.5199	0.3433	0.0948	0.7426	0.4176
A0A3Q2TZ57	0.4301	0.0384	0.1314	0.4875	0.6047	0.5891	0.1671
P35062	0.1516	0.2972	0.0545	0.4010	0.0177	0.7659	0.3582
F1NDH2	0.4814	0.5420	0.1958	0.5112	0.0277	0.6334	0.9578
A0A1D5NTE7	0.5972	0.0376	0.5395	0.3500	0.8354	0.1677	0.0603
A0A3Q2TSW8	0.4545	0.0018	0.6383	0.0543	0.7190	0.9977	0.2388
Q90944	0.7538	0.0021	0.4852	0.0548	0.4934	0.9370	0.1819
A0A3Q2TUE5	0.5146	0.3118	0.0121	0.3008	0.0564	0.4846	0.6301
A0A3Q2U775	0.0143	0.1090	0.3565	0.3859	0.1553	0.7575	0.6757
Q90631	0.6482	0.1473	0.4662	0.1529	0.2622	0.8777	0.4152
F1NV09	0.1049	0.3144	0.0640	0.4230	0.0410	0.8633	0.2587
F1P3P3	0.4745	0.0298	0.3150	0.1390	0.6145	0.5713	0.1537
A0A3Q2UFJ3	0.1657	0.2874	0.0516	0.4163	0.0185	0.7759	0.3534
P79795	0.0888	0.4492	0.9374	0.0056	0.2573	0.6941	0.4963
P00565	0.8291	0.0124	0.1474	0.1678	0.3502	0.6683	0.1553
A0A3Q2U0U0	0.3092	0.1201	0.0722	0.2479	0.0361	0.7991	0.2695
F1NBT0	0.2181	0.2929	0.0807	0.1619	0.0904	0.4271	0.4475
A0A3Q2TXN1	0.3983	0.0029	0.3148	0.3602	0.7535	0.3741	0.0477
Q5ZLZ6	0.0596	0.0613	0.7582	0.1703	0.7759	0.9150	0.9474
F1NSM7	0.1307	0.0153	0.8065	0.2349	0.5171	0.8418	0.3131
F1NLW7	0.5110	0.0008	0.5070	0.0632	0.5983	1.0000	0.2009
A0A3Q2U3X0	0.5037	0.0029	0.3990	0.0393	0.5967	0.8638	0.2371

A0A1D5PLD7	0.0708	0.2285	0.6052	0.0733	0.2718	0.8937	0.7791
F1NIW7	0.1810	0.2457	0.0570	0.3598	0.0204	0.7728	0.3342
F1NVY4	0.5063	0.0019	0.5913	0.0533	0.6581	0.9859	0.2315
F1NCZ2	0.1846	0.7114	0.0227	0.1759	0.1746	0.3969	0.5710
R4GJX3	0.5950	0.0203	0.5155	0.0611	0.3451	0.3793	0.6077
A0A1D5P9J0	0.4427	0.0474	0.4970	0.3203	0.5827	0.7505	0.2206
A0A1D5PYR9	0.0421	0.0209	0.4906	0.2652	0.2084	0.3772	0.2781
A0A1D5P6B0	0.5110	0.0008	0.5070	0.0632	0.5983	1.0000	0.2009
P46157	0.2305	0.0067	0.8602	0.2419	0.8897	0.4585	0.1681
Q90740	0.0586	0.0708	0.2688	0.3410	0.3689	0.5846	0.5842
P00337	0.1210	0.5725	0.8371	0.7868	0.1988	0.9399	0.9147
A0A0K0PUH6	0.6049	0.0002	0.9102	0.2782	0.6397	0.7999	0.0612
A0A3Q2TZU8	0.6982	0.0883	0.2399	0.0982	0.0355	0.2360	0.7053
Q5ZHM4	0.4787	0.0092	0.9620	0.3377	0.9518	0.3745	0.0827
A0A1L1RYU0	0.1577	0.0223	0.9577	0.2937	0.9274	0.5985	0.4470
E1C007	0.0661	0.5166	0.0490	0.4585	0.0041	0.2249	0.6289
A0A2H4C5L1	0.5110	0.0008	0.5070	0.0632	0.5983	1.0000	0.2009
Q5ZKY7	0.0823	0.0282	0.8046	0.1580	0.9953	0.8841	0.6404
Q5F3U5	0.1114	0.5087	0.0460	0.8710	0.0097	0.7674	0.2406
F1NSD3	0.1307	0.7161	0.2391	0.6007	0.0350	0.5630	0.5847
R4GKL8	0.0091	0.9245	0.0713	0.8473	0.0170	0.5888	0.7464
A0A3Q2U7Z1	0.7583	0.0232	0.9749	0.2354	0.5885	0.8510	0.3139
F1NYI9	0.0687	0.0541	0.4933	0.4874	0.3960	0.6220	0.4481
A0A3Q2U9L1	0.2020	0.3190	0.1635	0.4274	0.0357	0.8902	0.4014
A0A3Q2TX84	0.6626	0.0800	0.7512	0.1654	0.2750	0.8770	0.3325
F1NPN5	0.0182	0.5942	0.3757	0.1339	0.0554	0.9822	0.5090

A0A1D5PPP9	0.0908	0.8561	0.0096	0.4448	0.0543	0.3947	0.6491
Q5F3I1	0.1469	0.4499	0.1521	0.5733	0.0485	0.9814	0.3881
A0A1L1RMF4	0.0269	0.9938	0.0299	0.7413	0.0016	0.3456	0.8759
A0A3Q2UKP2	0.3891	0.0368	0.3620	0.3390	0.8375	0.6952	0.1085
A0A3Q2UHT9	0.5053	0.0008	0.5046	0.0638	0.6031	0.9946	0.2000
F1NUJ7	0.0977	0.3988	0.0353	0.4195	0.0134	0.6835	0.4045
A0A1D5PKY9	0.8609	0.1362	0.3375	0.1652	0.3584	0.8243	0.5701
A0A3Q2UHW3	0.0146	0.1570	0.2839	0.4010	0.1209	0.7659	0.7537
A0A1L1RWM3	0.2548	0.0291	0.8872	0.2156	0.4106	0.4256	0.1506
Q90WD0	0.0503	0.6991	0.0483	0.6900	0.0116	0.7244	0.5303
Q9DER4	0.0482	0.7300	0.0565	0.7121	0.0122	0.7374	0.5466
A0A1D5PIF2	0.4941	0.0350	0.8511	0.0321	0.9946	0.9816	0.7274
A0A3Q2U504	0.6332	0.0010	0.4320	0.0644	0.4933	0.9783	0.1857
A0A1D5PY04	0.4064	0.2278	0.1652	0.3004	0.3513	0.7813	0.1940
Q2IAL7	0.0478	0.8139	0.0261	0.9648	0.0519	0.5663	0.7667
F1NM67	0.0788	0.0214	0.8820	0.4434	0.6452	0.3949	0.3229
A0A1D5PGT3	0.5110	0.0008	0.5070	0.0632	0.5983	1.0000	0.2009
A0A3Q2UDP3	0.1205	0.2022	0.1345	0.2342	0.0090	0.3966	0.3965
R4GIW4	0.4600	0.0066	0.2366	0.1766	0.6551	0.4790	0.1510
Q90XB2	0.5110	0.0008	0.5070	0.0632	0.5983	1.0000	0.2009
F1C6U4	0.7318	0.0023	0.2663	0.0817	0.4596	0.9577	0.1607
A0A1D5P9U9	0.8858	0.0053	0.4740	0.0967	0.4242	0.9558	0.1101
P21760	0.9860	0.0178	0.2594	0.2299	0.2303	0.9653	0.2057
Q5ZLI2	0.1402	0.2710	0.0636	0.3584	0.0140	0.6813	0.3607
Q2MJT5	0.9280	0.1206	0.3069	0.0293	0.6231	0.6429	0.5512
Q5ZJX9	0.7368	0.0032	0.2355	0.2207	0.3851	0.5977	0.0962

F1C6X7	0.2572	0.3089	0.0512	0.8516	0.0360	0.9970	0.1097
R4GLT1	0.0732	0.6439	0.0471	0.6484	0.0091	0.7391	0.5409
E1BWW2	0.1107	0.0049	0.8901	0.1101	0.6667	0.8747	0.3440
E1BUA6	0.0146	0.1570	0.2839	0.4010	0.1209	0.7659	0.7537
E1C0F3	0.4371	0.2007	0.0427	0.3114	0.0276	0.7865	0.4559
A0A1D5NUZ0	0.4458	0.0023	0.6668	0.0540	0.7446	0.9972	0.2489
Q91017	0.0156	0.1169	0.2888	0.3540	0.1472	0.7440	0.7022
E1BW95	0.1408	0.0864	0.6392	0.3097	0.9175	0.7010	0.8580
A0A1D5PPL7	0.0547	0.0230	0.8415	0.2289	0.7798	0.9278	0.6117
Q27J90	0.5846	0.0022	0.4565	0.2705	0.4152	0.8745	0.0908
A0A1L1RLL0	0.5217	0.0008	0.5001	0.0622	0.5792	0.9807	0.2065
A0A3Q2UGF7	0.2299	0.0099	0.7192	0.3317	0.5228	0.3324	0.0881
A0A3Q2UIJ5	0.1516	0.2972	0.0545	0.4010	0.0177	0.7659	0.3582
Q5G8Y9	0.6671	0.0014	0.4113	0.0615	0.4604	0.9650	0.1931
Q04584	0.4648	0.0003	0.5525	0.1236	0.6518	0.9651	0.1447
F1NBW3	0.4001	0.2246	0.2388	0.2412	0.1396	0.7825	0.3314
A0A3Q2UBB3	0.0640	0.0547	0.6997	0.3939	0.4336	0.8403	0.5100
A0A1D5PXN3	0.3526	0.0660	0.9343	0.0466	0.7322	0.9384	0.7027
A0A1D5P5T7	0.2155	0.2003	0.2606	0.2874	0.4495	0.5738	0.8821
A0A3Q3APB3	0.1221	0.3662	0.0526	0.4538	0.0153	0.7586	0.3893
F1P4U3	0.8768	0.0397	0.0781	0.2298	0.0780	0.8539	0.2398
H9L0D7	0.4080	0.0118	0.8592	0.0630	0.9139	0.9945	0.3351
A0A1L1RUW5	0.3570	0.0011	0.5873	0.0689	0.7975	0.9735	0.2346
E1BSI4	0.6568	0.0011	0.4859	0.0602	0.5317	0.9788	0.1754
A0A3Q3AJD3	0.0146	0.1578	0.2841	0.4003	0.1204	0.7666	0.7556
A0A1D5PXM8	0.0417	0.5430	0.1213	0.6494	0.0421	0.7114	0.9933

A0A3Q2UIT0	0.4194	0.0000	0.8208	0.1936	0.6830	0.7986	0.1024
F1NL81	0.2852	0.2849	0.2218	0.3321	0.4757	0.4813	0.9768
A0M8U0	0.0146	0.1570	0.2839	0.4010	0.1209	0.7659	0.7537
F1NIM0	0.0436	0.4833	0.3568	0.6026	0.1506	0.8337	0.2371
Q6PW00	0.0000	0.5387	0.2213	0.9231	0.0060	0.1585	0.9082
Q5ZL65	0.4881	0.0008	0.5268	0.0611	0.6300	0.9983	0.2057
F1NNF9	0.4067	0.0007	0.6024	0.0645	0.7232	0.9765	0.2153
A0A3Q2TSK8	0.0146	0.1570	0.2839	0.4010	0.1209	0.7659	0.7537
A0A1D5PT95	0.2056	0.2339	0.4709	0.2562	0.0389	0.4889	0.4960
Q5ZL35	0.0141	0.2992	0.1924	0.8470	0.1145	0.5611	0.8415
A0A1D5P7Y2	0.0146	0.1570	0.2839	0.4010	0.1209	0.7659	0.7537
A0A1L1RZV0	0.5121	0.0008	0.5063	0.0631	0.5961	0.9976	0.2016
Q8UWG7	0.2831	0.0009	0.7521	0.0711	0.9136	0.9434	0.2437
P87362	0.9726	0.0029	0.5055	0.0846	0.4818	0.9707	0.1173
Q9W6V5	0.3919	0.0006	0.5682	0.0739	0.7216	0.9401	0.2039
A0A3Q2TXS3	0.8908	0.0073	0.1589	0.1259	0.1677	0.8522	0.1212
E1C3Y3	0.1303	0.3157	0.0401	0.3733	0.0058	0.7084	0.3670
E1C857	0.1082	0.6906	0.0318	0.3212	0.1089	0.4659	0.6895
F1P386	0.4426	0.0007	0.5671	0.0638	0.6773	0.9849	0.2096
Q90974	0.0180	0.1250	0.4858	0.1766	0.1642	0.8997	0.8318
F1NLE7	0.0204	0.8433	0.0815	0.9903	0.0181	0.7307	0.7448
Q9YHD2	0.8836	0.1078	0.5713	0.4835	0.7522	0.2407	0.0961
Q5ZKS2	0.6981	0.0474	0.6731	0.0751	0.5923	0.9516	0.3278
P23498	0.1035	0.7440	0.0350	0.3847	0.0276	0.2137	0.8446
A0A1D5PMA3	0.0936	0.2164	0.3348	0.2278	0.0011	0.2191	0.4926
F1NH19	0.1880	0.0856	0.5743	0.1037	0.2810	0.6390	0.6459

Q9DF58	0.1768	0.6786	0.2552	0.8871	0.0586	0.9870	0.5720
F1NPS5	0.5110	0.0008	0.5070	0.0632	0.5983	1.0000	0.2009
F1N8W8	0.0146	0.1570	0.2839	0.4010	0.1209	0.7659	0.7537
Q98SR1	0.1142	0.0584	0.3925	0.2157	0.4878	0.7056	0.5505
A0A1D5PW36	0.0127	0.1389	0.2924	0.5146	0.0397	0.3659	0.4772
Q9BD54	0.0083	0.4404	0.1116	0.7370	0.0371	0.6779	0.9801
F1N851	0.0338	0.7330	0.1328	0.7951	0.0347	0.8198	0.8089
E1C3X0	0.2245	0.3377	0.4801	0.2898	0.3539	0.9967	0.8557
Q5ZJX7	0.0428	0.1107	0.5051	0.2708	0.2256	0.9022	0.6637
E1C3D2	0.5110	0.0778	0.5070	0.0632	0.5983	1.0000	0.2009
E1C1Q3	0.1516	0.2972	0.0545	0.4010	0.0177	0.7659	0.3582
Q5F442	0.1516	0.2972	0.0545	0.4010	0.0177	0.7659	0.3582
Q7T190	0.7321	0.0731	0.3174	0.1432	0.1465	0.4251	0.7919
O42351	0.0255	0.1678	0.3232	0.3407	0.2347	0.9687	0.9022
A0A1D5PMN6	0.8480	0.0362	0.3097	0.0663	0.5447	0.7068	0.3236
Q7T2X3	0.5934	0.0000	0.6962	0.2425	0.4926	0.8038	0.0680
A0A1D5PGI9	0.2649	0.1307	0.3193	0.2742	0.3133	0.7630	0.1349
A0A3Q2TUM9	0.0205	0.8454	0.0813	0.9918	0.0181	0.7307	0.7437
A0A1D5PNT8	0.3675	0.0201	0.7047	0.0674	0.8343	0.9570	0.2103