

## Combined effects of CXCL8 (IL-8) and CXCR2 (IL-8R) gene polymorphisms on deregressed MACE EBV indexes of milk-related traits in Simmental bulls

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### Supplementary File

**Table S1.** Information on allelic diversity of the CXCL8 and CXCR2 genes in Simmental breed.

Name	Gene	Reference SNP	Mutation type on ARS-UCD1.2	PIC	Heterozygosity	Allelic Diversity	Chi-Sq	<i>P</i> > Chi-Sq
Chr 6 NC_037333								
<b>SNP 1</b>	<b>IL8-697</b>	<b>rs110291328</b>	g.88810697 G>A	0.2493	0.2903	0.2919	0.0009	0.9762
SNP 2	<b>IL8-2367</b>	rs133728598	g.88812367 A>G	0.2340	0.2581	0.2706	0.0660	0.7972
SNP 3	<b>IL8-3179</b>	rs134771119	g.88813179 G>A	0.2688	0.2667	0.3200	0.8333	0.3613
SNP 4	<b>IL8-3663</b>	rs41255759	g.88813663 T>C	0.2493	0.2903	0.2919	0.0009	0.9762
SNP 5	<b>IL8-3789</b>	rs41255762	g.88813789 G>A	0.2493	0.2903	0.2919	0.0009	0.9762
Chr 2 NC_037329								
<b>SNP 6</b>	<b>CR2-827</b>	<b>rs378507858</b>	g.106184827 C>A	0.1373	0.0968	0.1483	3.7406	0.0531
<b>SNP 7</b>	<b>CR2-2132</b>	<b>rs43316867</b>	g.106186132 G>A	0.2765	0.2903	0.3314	0.4768	0.4899
SNP 8	<b>CR2-7583</b>	Novel	g.106191583 T>C	0.3740	0.9355	0.4979	23.9403	<.0001
<b>SNP 9</b>	<b>CR2-7587</b>	<b>Novel</b>	g.106191587 C>T	0.3740	0.9355	0.4979	23.9403	<.0001
SNP 10	<b>CR2-7595</b>	Novel	g.106191595 A>G	0.3740	0.9355	0.4979	23.9403	<.0001
SNP 11	<b>CR2-7649</b>	rs132993381	g.106191649 A>G	0.3578	0.7419	0.4667	10.7817	0.0010
SNP 12	<b>CR2-7733</b>	rs460354284	g.106191733 C>T	0.3619	0.7742	0.4745	12.3657	0.0004
<b>SNP 13</b>	<b>CR2-7807</b>	<b>rs211042414</b>	g.106191807 T>C	0.3476	0.6774	0.4480	8.1327	0.0043
SNP 14	<b>CR2-8040</b>	rs209319366	g.106192040 A>C	0.3684	0.8387	0.4870	16.1698	<.0001

SNP 15	CR2-8084	Novel	g.106192084 G>A	0.2634	0.3871	0.3122	1.7856	0.1815
SNP 16	CR2-8177	Novel	g.106192177 G>C	0.3619	0.7742	0.4745	12.3657	0.0004
SNP 17	CR2-8291	rs137158755	g.106192291 T>C	0.2174	0.2903	0.2482	0.8939	0.3444
SNP 18	CR2-8384	rs379291975	g.106192384 C>T	0.3530	0.7097	0.4579	9.3775	0.0022
SNP 19	CR2-8450	Novel	g.106192450 C>T	0.3530	0.7097	0.4579	9.3775	0.0022
SNP 20	CR2-8462	rs378981627	g.106192462 A>G	0.2634	0.3871	0.3122	1.7856	0.1815
SNP 21	CR2-8510	rs136322588	g.106192510 G>A	0.3726	0.9032	0.4953	21.0242	<.0001
SNP 22	CR2-8540	rs133668709	g.106192540 C>T	0.3347	0.6129	0.4251	6.0525	0.0139
SNP 23	CR2-8622	rs379308351	g.106192622 G>A	0.3530	0.7097	0.4579	9.3775	0.0022
SNP 24	CR2-8724	rs208730379	g.106192724 G>A	0.3476	0.6774	0.4480	8.1327	0.0043
SNP 25	CR2-8803	Novel	g.106192803 A>G	0.3655	0.8065	0.4813	14.1527	0.0002
SNP 26	CR2-8841	rs133789177	g.106192841 G>A	0.3476	0.6774	0.4480	8.1327	0.0043
SNP 27	CR2-9203	rs43322997	g.106193203 C>T	0.1802	0.2258	0.2003	0.5021	0.4786
SNP 28	CR2-9625	rs43322998	g.106193625 C>G	0.2765	0.2903	0.3314	0.4768	0.4899

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