

Table S1. Dominant unclassified bacterial taxa in the ruminal bacteriota of Hanwoo steers fed different forage sources

Bacterial taxon	Forage sources						Pooled SEM	LDA score	<i>p</i> -value
	Dominance	Relative abundance (%)							
Family	Dominance	OAT	RYE	IRS	BAR	RSS	Pooled SEM	LDA score	<i>p</i> -value
Lachnospirales UCF	RSS	0.189	0.516	0.021	0.137	<u>0.585</u>	0.463	3.501	0.0377
F082	IRS	0.268	0.085	<u>1.206</u>	0.741	0.167	0.996	3.784	0.0377
UBA929	OAT	<u>0.101</u>	0.028	0.047	0.096	0.035	0.064	2.807	0.0452
Genus	Dominance	OAT	RYE	IRS	BAR	RSS	Pooled SEM	LDA score	<i>p</i> -value
Atopobiaceae UCG	RSS	0.087	0.205	0.029	0.018	<u>0.488</u>	0.205	3.402	0.0418
Lachnospirales UCG	RSS	0.189	0.516	0.021	0.137	<u>0.585</u>	0.463	3.458	0.0377
DSXL01	IRS	0.269	0.060	<u>0.391</u>	0.206	0.147	0.170	3.274	0.0374
Dethiosulfovibrionaceae UCG	RSS	0	0.139	0	0.051	<u>0.172</u>	0.162	3.029	0.0479
WRAI01	OAT	<u>0.101</u>	0.028	0.047	0.096	0.035	0.064	2.705	0.0452
<i>Bifidobacteriaceae</i> UCG	IRS	0	0	<u>0.090</u>	0	0	0.041	2.845	0.0080
XBD2001	OAT	<u>0.053</u>	0	0.015	0	0	0.018	2.732	0.0165
CAG-603	RYE	0	<u>0.042</u>	0.002	0	0.003	0.037	2.601	0.0337
Species	Dominance	OAT	RYE	IRS	BAR	RSS	Pooled SEM	LDA score	<i>p</i> -value
UBA1067 sp004551905	BAR	0.111	0.070	0.229	<u>0.688</u>	0.009	0.183	3.555	0.0392
Atopobiaceae UCS	RSS	0.087	0.205	0.029	0.018	<u>0.488</u>	0.205	3.352	0.0418
UBA1067 sp900320855	BAR	0.132	0.095	0.357	<u>0.425</u>	0.021	0.276	3.346	0.0459
Lachnospirales UCS	RSS	0.189	0.516	0.021	0.137	<u>0.585</u>	0.463	3.418	0.0377
<i>Limimorpha</i> sp900318085	IRS	0.268	0.085	<u>1.206</u>	0.741	0.167	0.996	3.664	0.0377
<i>Anaerobutyricum</i> UCS	OAT	<u>0.253</u>	0.009	0.076	0.121	0.067	0.137	3.065	0.0414
<i>Shuttleworthia</i> UCS	IRS	0.075	0	<u>0.285</u>	0.049	0	0.394	3.110	0.0423
UBA2450 sp902800025	BAR	0	0.009	0	<u>0.062</u>	0	0.055	2.641	0.0274
DSXL01 sp011367845	IRS	0.269	0.060	<u>0.391</u>	0.206	0.147	0.170	3.242	0.0374
<i>Butyrivibrio</i> A 168226 sp000421405	IRS	0	0.012	<u>0.151</u>	0	0	0.082	2.870	0.0184
Dethiosulfovibrionaceae UCS	RSS	0	0.139	0	0.051	<u>0.172</u>	0.162	2.905	0.0479

<i>Butyrivibrio</i> A 168226 sp900116875	OAT	<u>0.061</u>	0	0.012	0	0	0.047	2.580	0.0212
WRAI01 sp009780275	OAT	<u>0.101</u>	0.028	0.047	0.096	0.035	0.064	2.571	0.0452
Bifidobacteriaceae UCS	IRS	0	0	<u>0.090</u>	0	0	0.041	2.730	0.0080
XBD2001 sp900116395	OAT	<u>0.053</u>	0	0.015	0	0	0.018	2.530	0.0165
<i>Anaeroplasm</i> UCS	RSS	0	0.008	0	0	<u>0.020</u>	0.014	2.287	0.0387
Ga6A1 UCS	RSS	0	0	0	0	<u>0.021</u>	0.014	2.402	0.0080
UBA2813 sp900319365	RYE	0.005	<u>0.112</u>	0.06	0.033	0.002	0.158	2.774	0.0391

UCF, unclassified family; UCG, unclassified genus; UCS, unclassified species

Dominance of each taxon for specific forage feeding were additionally shown as bold and underlined numbers.

OAT, oat hay; RYE, rye silage; IRS, Italian ryegrass silage; BAR, barley forage; RSS, rice straw silage