

Supplementary Table S2. Summary of sequence data generated from rumen samples¹.

Samples	Raw base (GB)	Raw reads	Clean reads	Optimized reads	Contigs	N50 (bp)	N90 (bp)	ORFs
CON1	6.33	44982100	44123012	33331952	428763	621	344	532797
CON2	6.90	49058934	48178398	36529562	495420	636	347	620609
CON3	7.24	51461328	50437098	38444422	524758	647	348	656106
CON4	6.32	44915450	44228590	34787078	470876	647	348	587669
CON5	6.86	48803804	48154816	37701620	509980	642	348	635434
CON6	6.86	48767796	48092874	34925330	473144	625	345	582817
LS1	7.63	54268430	53634834	38961588	575411	652	349	718101
LS2	7.18	51049444	50358364	32444762	492031	617	344	600586
LS3	7.32	52029744	51066528	40893422	513160	756	358	671338
LS4	7.11	50534134	49588226	38608410	494060	739	356	643000
LS5	6.93	49286270	48146916	35459918	655943	577	342	795110
LS6	7.82	55597704	54790614	46058672	551877	754	359	726418
HS1	7.92	56328220	54977526	43029734	640524	651	351	804041
HS2	7.43	52843950	51970682	41370226	598861	659	351	753379
HS3	7.82	55636696	54688826	43417316	679906	661	351	860413
HS4	7.96	56634582	55838228	43330876	661874	674	353	835015
HS5	8.43	59914180	59259350	44020278	672081	642	351	825617
HS6	7.99	56824526	55927400	39087666	600413	631	349	734504
Total	132	938937292	923462282	702402832	10039082	11831	6294	12582954
Mean	7.34	52163183	51303460	39022380	557727	657	350	699053
SEM	0.24	1706771	1699041	1623877	32562	19	1.92	40259

¹CON = basal diet; LS = basal diet + 2.4 mg/kg SY; HS = basal diet + 4.8 mg/kg SY; SEM = standard error of mean.