

Table S1: Hybridization design of microarrays used for statistical analysis

	Cow	Cy5		Cy3		Total cows per comparison
		Stage	Diet	Stage	Diet	
Dye-swap 1	4044	P1	LF	P2	LF-SO	9 cows LF
	4044	P2	LF-SO	P1	LF	
Dye-swap 2	4065	P1	LF	P2	LF-SO	
	4065	P2	LF-SO	P1	LF	
Dye-swap 3	4035	P4	LF	P1	LF-SO	Vs
	4035	P1	LF-SO	P4	LF	
Dye-swap 4	4051	P1	LF-SO	P4	LF	
	4051	P4	LF	P1	LF-SO	
Dye-swap 5	4055	P1	LF-SO	P4	LF	9 cows LF-SO
	4055	P4	LF	P1	LF-SO	
Dye-swap 6	4043	P2	LF	P3	LF-SO	
	4043	P3	LF-SO	P2	LF	
Dye-swap 7	4050	P2	LF	P3	LF-SO	
	4050	P3	LF-SO	P2	LF	
Dye-swap 8	4016	P2	LF	P3	LF-SO	
	4016	P3	LF-SO	P2	LF	
Dye-swap 9	4041	P3	LF	P4	LF-SO	
	4041	P4	LF-SO	P3	LF	
Dye-swap 10	4041	P1	HF	P2	HF-RS	8 cows HF
	4041	P2	HF-RS	P1	HF	
Dye-swap 11	4056	P1	HF	P2	HF-RS	
	4056	P2	HF-RS	P1	HF	
Dye-swap 12	4043	P1	HF-RS	P4	HF	Vs
	4043	P4	HF	P1	HF-RS	
Dye-swap 13	4050	P1	HF-RS	P4	HF	
	4050	P4	HF	P1	HF-RS	
Dye-swap 14	4035	P2	HF	P3	HF-RS	8 cows HF-RS
	4035	P3	HF-RS	P2	HF	
Dye-swap 15	4055	P2	HF	P3	HF-RS	
	4055	P3	HF-RS	P2	HF	
Dye-swap 16	4044	P3	HF	P4	HF-RS	
	4044	P4	HF-RS	P3	HF	
Dye-swap 17	4065	P3	HF	P4	HF-RS	
	4065	P4	HF-RS	P3	HF	