

## SUPPLEMENTARY MATERIAL

### Impact of cooking methods of red-skinned onion on in vitro colon metabolic transformation of phenolic compounds and gut microbiota changes.

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**Table S1.** Primers pairs employed for PCR and qPCR reactions and quantifications.

Bacterial taxa	Target	Sequence 3'-5'	Bp*	MT** (°C)	Reference
<i>Eubacteria</i>	V3-V4	Eub518-R: ATTACCGCGGCTGCTGG	147	57.6	82
	16S	Eub338-F: ACTCCTACGGGAGGCAG		63.5	
<i>Firmicutes</i>	V3-V4	Firm-F: GGAGYATGTGGTTTAATT	300	60.5	83
	16S	Firm-R: ACTCCTACGGGAGGCAG		63.5	
<i>Bacteroidetes</i>	V3-V4	Bact-F: GGARCATGTGGTTTAATT	250	58.9	83
	16S	Bact-R: AGCTGACGACAACCATG		59.4	
<i>Lactobacillales</i>	V3-V4	F-Lac: GCAGCAGTAGGGAATCT	340	59.8	84
	16S	R-Lac: GCATTYCACCGCTACACA		58.3	
<i>Bifidobacteriaceae</i>	RecA	RecA-F: CGTYTCBCAGCCGGAYA	220	60.3	85
		RecA-R: CCARVGCRCGGTCATC		59.2	
<i>Enterobacteriaceae</i>	V3-V4	Enterb-F: TGCCGTAACCTCGGGAG	450	64.2	86
	16S	Enterb-R: TCAAGGACCAGTGTTTCAG		60.3	
<i>Clostridium</i> group I	V3-V4	CloSI-F: TACCHRAGGAGGAAGCCAC	148	54.6	86
	16S	CloSI-R: GTTCTTCTAATCTCTACGCAT		53.0	
<i>Clostridium</i> group IV	V3-V4	CloIV-F: TTAACACAATAAGTWATC	400	58.1	87
	16S	CloIV-R: ACCTTCTCCGTTTTGTC		57.9	

ATOP group	V3-V4	ATOP-F: GGGTTGAGAGACCGACC	190	57.6	88
	16S	ATOP-R: CGGRGCTTCTTCTGCAG		59.4	
BPP group	V3-V4	BPP-F: GAGAGGAAGGTCCCCCA	140	60.5	89
	16S	BPP-R: CGCKACTTGGCTGGTTCA		59.9	
<i>Escherichia coli</i>	FtsZ	EcFtsZ-F: GGTATCCTGACCGTTGCT	250	59.4	90
		EcFtsZ-R: ATACCTCGGCCAGAACT		57.3	
<i>Akkermansia</i>	V3-V4	AkM1: CAGCACGTGAAGGTGGG	327	63.5	91
<i>muciniphila</i>	16S	AkM2: CCTTGCGGTTGGCTTCA		59.4	
<i>Bifidobacterium longum</i>	V3-V4	Blon-F: GATTCTGGCTCAGGATGA	220	62.1	92
	16S	Blon-R: CTGATAGGACGCGACCC		61.4	
<i>Faecalibacterium prausnitzii</i>	V3-V4	Fprau223-F: GATGGCCTCGCGTCCGA	199	63.7	93
	16S	Fprau420-R: CCGAAGACCTTCTCCTC		58.8	

\*Base pairs, \*\*Melting Temperature.

### Supplementary References

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