

### Proportions of Plant Extracts in Hair Rise™ microemulsion

The optimal ratio of the extracts (rice bran: guava leaf: licorice root: corn kernel) at 1:2:2:3 was selected, as shown in **Table S1**. This proportion was from our preliminary study for 3 rounds to investigate the best proportion that showed the highest *SRD5A2* inhibition activity, which gave the lowest fold changes. In the 1<sup>st</sup> round, proportions 3, 4, and 5 were selected for the 2<sup>nd</sup> round. In the 2<sup>nd</sup> round, the proportion 2 was selected. In the 3<sup>rd</sup> round, proportion 1 was selected for Hair Rise™ microemulsion.

**Table S1.** The effects of different proportions of plant extracts on the gene expression of *SRD5A2* in DU-145 cells.

Round 1			Round 2			Round 3		
No.	Proportions (RB: GL: LR: CK)	<i>SRD5A2</i> (Fold change)	No.	Proportions (RB: GL: LR: CK)	<i>SRD5A2</i> (Fold change)	No.	Proportions (RB: GL: LR: CK)	<i>SRD5A2</i> (Fold change)
1	1: 1: 1: 1	0.66 ± 0.01	1	1: 2: 2: 1	0.53 ± 0.01	1	1: 2: 2: 3	0.22 ± 0.01
2	2: 1: 1: 1	0.71 ± 0.02	2	1: 2: 2: 2	0.31 ± 0.02	2	1: 2: 2: 4	0.28 ± 0.02
3	1: 2: 1: 1	0.54 ± 0.02	3	1: 3: 3: 1	0.48 ± 0.01			
4	1: 1: 2: 1	0.58 ± 0.01	4	1: 3: 3: 2	0.42 ± 0.01			
5	1: 1: 1: 2	0.52 ± 0.01						

**Note:** RB: Rice bran extract; GL: Guava leaf; LR: Licorice root and CK: Corn kernels