



$$\varphi_{q, s_2^2/s_1^2, s_2^2}(j_2 \mid j_1) \mathbf{1}_{j_2 \leq j_1}$$

$$\frac{1 + \beta q^g s_1^2}{1 + \beta s_1^2}$$

$$\frac{1 + \beta q^g s_2^2}{1 + \beta s_2^2}$$

$$\frac{\beta s_1^2(1 - q^g)}{1 + \beta s_1^2}$$

$$\frac{\beta s_2^2(1 - q^g)}{1 + \beta s_2^2}$$

$$\frac{1 - q^g s_1^2}{1 + \beta s_1^2}$$

$$\frac{1 - q^g s_2^2}{1 + \beta s_2^2}$$

$$\frac{s_1^2(\beta + q^g)}{1 + \beta s_1^2}$$

$$\frac{s_2^2(\beta + q^g)}{1 + \beta s_2^2}$$