**Table S9   Regression Models of MCV as a Function of Hbb s/d Genotype and Hbb Gene Expression***

### 1. Hbb gene expression

| Term | Beta | p-value |
|---|---|---|
| Hbb expression | -0.02 | 0.99 |
| Intercept | 55.02 | <0.001 |

### 2. Hbb gene expression and s/d genotype

| Predictor | Beta | p-value |
|---|---|---|
| Hbb expression | 1.00 | 0.26 |
| Genotype | 6.26 | <0.001 |
| Intercept | 41.88 | <0.001 |

### 3. Hbb gene expression, s/d genotype, and genotype*expression

| Predictor | Beta | p-value |
|---|---|---|
| Hbb expression | 1.62 | 0.28 |
| Genotype | 8.89 | 0.10 |
| Genotype*Expression | -0.51 | 0.61 |
| Intercept | 38.56 | <0.001 |

### 4. Hbb-b1 gene expression

| Term | Beta | p-value |
|---|---|---|
| Hbb-b1 expression | 0.00 | 1.00 |
| Intercept | 54.91 | <0.001 |

### 5. Hbb-b1 and s/d genotype

| | Beta | p-value |
|---|---|---|
| Gene Expression | 1.20 | 0.08 |
| Genotype | 6.57 | <0.001 |
| Intercept | 44.87 | <0.001 |

### 6. Hbb-b1 gene expression, s/d genotype, and genotype*expression

| | Beta | p-value |
|---|---|---|
| Hbb-b1 expression | 1.79 | 0.16 |
| Genotype | 7.31 | <0.001 |
| Genotype*Expression | -0.43 | 0.58 |
| Intercept | 43.69 | <0.001 |

* Note that *Hbb* gene expression (total or Hbb-b1) is expressed as the ΔCt (relative to *Rps29*) −ΔCt as in Figure S3.