

**Table S.5**

| <b>Gene</b>   | <b>Update rule</b>                    |
|---------------|---------------------------------------|
| <b>Fli1</b>   | <b>Spi1</b>                           |
| <b>Gata2</b>  | <b>Gata2 and not (Klf1)</b>           |
| <b>Spi1</b>   | <b>Spi1 and not (Gata1 and Zfpm1)</b> |
| <b>Klf1</b>   | <b>Gata1 and not Fli1</b>             |
| <b>Gata1</b>  | <b>Gata1</b>                          |
| <b>Zbtb7a</b> | <b>Klf1</b>                           |
| <b>Zfpm1</b>  | <b>Gata1</b>                          |