### Table

| HbAC gene | AF293 Chromosome 3 Genome Location (bp) | Percent nt identity |
|-----------|----------------------------------------|---------------------|
| hrmB      | 1023704 - 1025056                      | 93%                 |
| bafB      | 1051538 - 1050966                      | 89%                 |
| AFUB_044370 | 1049272 - 1047590                  | 92%                 |
| AFUB_044380 | 1042710 - 1041989                 | 95%                 |

### B

AF293 ‘hrmB’ Chr. 3 Region Translated

```
MARSNYLRFIRVLEEINQRHITPNIYYEALEDCLVLITFTQPSGPLKQSKTCTYLKKKEYKLQYKNTNTHRYYVEILEDPQLFIPFILATPPKSCETFKLGEFREKHDLSAVKVDLRPNIQQTLDNITNQKGFNPQKNRRYLYLICMLFPLGRKPATTAETNCWAYRAAYLNTVHTIFSJKYYSAMEVESLTAHSPECQAPQTTSCVEMKLPQNYQDAIVLLELSLLIDIKLIFSANEII
```

### C

AF293 ‘bafB’ Chr. 3 Region Translated

```
MVWYRAILICMLWWLMGYNSTNKGGSEGKRAPMINKVTFTEEIIITSAKYVNSEKIIEHTVIKTKQINNGDTSISINNSSTETRYSGLSVSSYSDSKVKDTONALEEPELFALYYSSYINASTSKMLRLYYELPVSLDLNKITGLESRIPESNNDSSIKACFCYWGEKFWLYFPYSYAKARMVLIGVY
```