```
HBA HUMAN   MVLSPADKTNVKAAWGKVGAHAGEYGAEALERMFLSFPTTKTYFPHFDLSHGSAQVKGHGKKVADALTNAVAHVDDMPNALSALSDLHAHKLRVDPVNFKLLSHCLLVTL   110
HBA MOUSE   MVLSGEDKSNIKAAWGKIGGHGAEYGAEALERMFASFPTTKTYFPHFDVSHGSAQVKGHGKKVADALASAAGHLDDLPGALSALSDLHAHKLRVDPVNFKLLSHCLLVTL   110
HBAZ CAPHI  MSLTRTERTIILSLWSKISTQADVIGTETLERLFSCYPQAKTYFPHFDLHSGSAQLRAHGSKVVAAVGDAVKSIDNVTSALSKLSELHAYVLRVDPVNFKFLSHCLLVTL   110
consensus   !*!*  ********!*!** ** **!*!*!!!*! **!**!!!!!!!!***!!!!***!!*!!**!*  !* * !* * !!!*!!*!!!**!!!!!!!!!*!!!!!!!!!
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HBA HUMAN   AAHLPAEFTPAVHASLDKFLASVSTVLTSKYR   142
HBA MOUSE   ASHHPADFTPAVHASLDKFLASVSTVLTSKYR   142
HBAZ CAPHI  ASHFPADFTADAHAAWDKFLSIVSGVLTEKYR   142
consensus   !*! !!*!!***!!**!!!!**!!*!!!*!!!
```

X non-conserved

X ≥ 50% conserved