```
sdY                 MADREARFQAQHSFLVSVEYCEEEVLSHEVMGSDVRIAYKPFSLMMDGIPVISLPKPPDT
AS_Tasmanian_Ssa02  MVDREARFQAQHSFLVSVEYCEEEVLSHEVMGSDVRIAYKPFSLMMDGIPVISLPKPPDT
AS_Tasmanian_Ssa03  MVDREARFQAQHSFLVSVEYCEEEVLSHEVMGSDVRIAYKPFSLMMDGIPVISLPKPPDT
AS_European         MVDREARFQAQHSFLVSVEYCEEEVLSHEVMGSDVRIAYKPFSLMMDGIPVISLPKPPDT
AS_Tasmanian_Ssa06  MVDREARFQAQHSFLVSVEYCEEEVLSHEVMGSDVRIAYKPFSLMMDGIPVISLPKPPDT
Chinook_sdY         MADREARIQAQHCFLVSVEYCEEEVLSHEVMGGDVRIAHKT-SLMMDGIPFISLPKPPNT
RT_sdY              MADREARIQAQHCFLVSVEYCEEEVLSHEVMGGDVRIAHKT-SLMMDGIPFISLPKPPNT
                    * .*****:****.********************.*****:*. ********.*******:*


BT_sdY              IPISSDRSTLSNLLSLMEGGVVLSSREEGIYAERHSQAIVSWMGGTGDEMHVMERDVDPV
AS_Tasmanian_Ssa02  IPISSDRSILSNLLSLMEGGVVLSSKEEGIYAERHSQAIVSWMGGTGDEMHVMERDVDPV
AS_Tasmanian_Ssa03  IPISSDRSILSNLLSLMEGGVVLSSKEEGIYAERHSQAIVSWMGGTGDEMHVMERDVDPV
AS_European         IPISSDRSILSNLLSLMEGGVVLSSKEEGIYAERHSQAIVSWMGGTGDEMHVMERDVDPV
AS_Tasmanian_Ssa06  IPISSDRSILSNLLSLMEGGVVLSSKEEGIYAERHSQAIVSWMGGTGDEMHVMERDVDPV
Chinook_sdY         LPISSDRSILSNLLSLMEGGVVLSSREEGIYAERHSQATVSWMGGTGDEMHVMDRDVDPV
RT_sdY              LPISSDRSILSNLLSLMEGGVVLSSREEGIYAERHSQATVSWMGGTGDEMHVMERDVDPV
                    :******* ****************:************ ***************:******


BT_sdY              MLFNRETFRQELERFSRADGFQPQIGFSLWFGQDSSLSAPISISIKLPWAQQLFKQAHDF
AS_Tasmanian_Ssa02  MLFNRETFRQELERFSRADGFQPQIGFSLWFGQDSSLSAPISISIKLPWAQQLFKQAHDF
AS_Tasmanian_Ssa03  MLFNRETFRQELERFSRADGFQPQIGFSLWFGQDSSLSAPISISIKLPWAQQLFKQAHDF
AS_European         MLFNRETFRQELERFSRADGFQPQIGFSLWFGQDSSLSAPISISIKLPWAQQLFKQAHDF
AS_Tasmanian_Ssa06  MLFNRETFRQELERFSRADGFQPQIGFSLWFGQDSSLSAPISISIKLPWAQQLFKQAHDF
Chinook_sdY         MLFNRETFRQELERFARADGSQPQCGFSLWFGQDSSLSAPNFISIKLPWAQQLFKEVHDF
RT_sdY              MLFNREHFRQELDRFARADGSQPQCGFSLWFGQDSSLSAPIFISIKLPWAQQLFKEVHDF
                    ****** *****:**:**** *** ***************  **************:.***
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BT_sdY                  RIWLESSPVSPGV
AS_Tasmanian_Ssa02      RIWLESSPVSPGV
AS_Tasmanian_Ssa03      RIWLESSPVSPGV
AS_European             RIWLESSPVSPGV
AS_Tasmanian_Ssa06      RIWLESSPVSPGV
Chinook_sdY             RIWLESSPVSPGV
RT_sdY                  RIWLESSPVSPGV
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Figure S2 CLUSTAL 2.1 multiple sequence alignment of sdY from brown trout (BT), three Tasmanian and one European Atlantic salmon, Chinook Ssalmon and rainbow trout (RT).