

**Table 5.** Polar interactions at protein-protein interfaces

Type	Fraction
<i>A. H-bond<sup>a</sup></i>	
Main-chain-main-chain	0.24
Main-chain-side-chain	0.40
Side-chain-side-chain	0.36
Neutral	0.70
Charged <sup>b</sup>	0.30
Salt bridge	0.13
<i>B. Donor/acceptor group<sup>c</sup></i>	
Main-chain N	0.18
O	0.26
Side-chain N <sup>+</sup> (Arg, Lys)	0.17
O <sup>-</sup> (Asp, Glu)	0.14
Amide (Asn, Gln)	0.09
OH (Ser, Thr, Tyr)	0.13
Others (His, Trp, Cys)	0.03

<sup>a</sup> The average number of hydrogen bonds in 75 interfaces is 10.1.

<sup>b</sup> Charged H-bonds involve either one or two charged groups and include salt bridges.

<sup>c</sup> Fraction of the number of polar groups involved in all hydrogen bonds as donor or acceptor.