

Table 1.

Calculated amounts of secondary structures of JHBP under different conditions. Three different algorithms were used (see Materials and Methods).

Condition	Method	$\alpha$ -Helices [%]	$\beta$ -Sheet [%]	Turn [%]	Random coil [%]
Native	SELCON3	15	32	23	26
	CONTINLL	19	33	22	27
	CDSSTR	15	37	21	25
Oxidized	SELCON3	31	21	23	27
	CONTINLL	28	24	22	26
	CDSSTR	35	22	21	23
Crystal structure		33	39	28 (Turn + Random coil)	

Fig. 1.

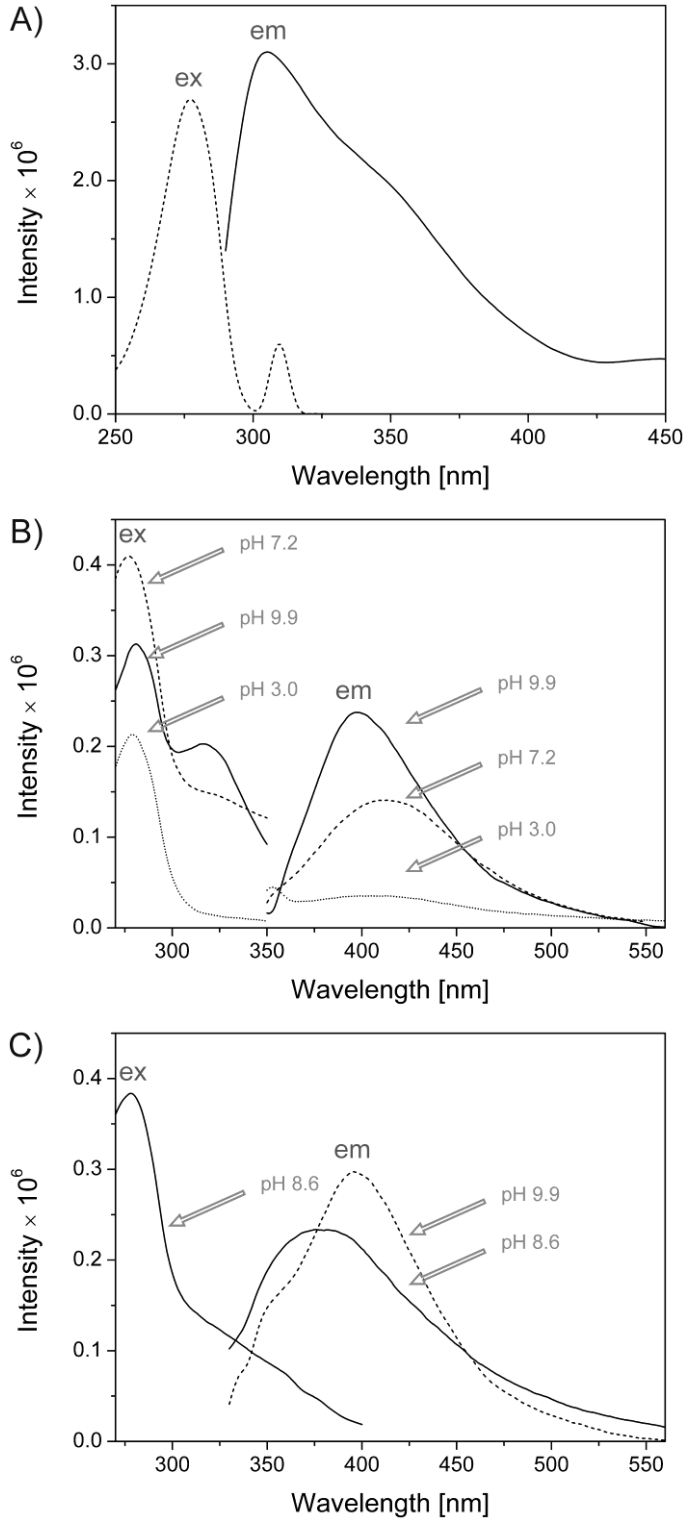


Fig. 2.

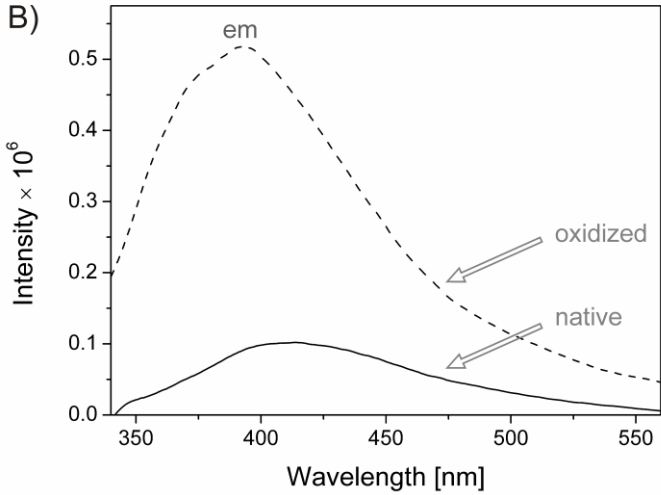
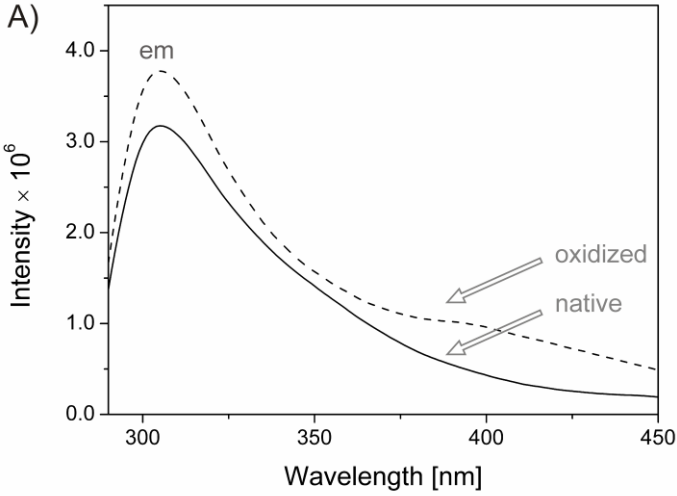


Fig. 3.

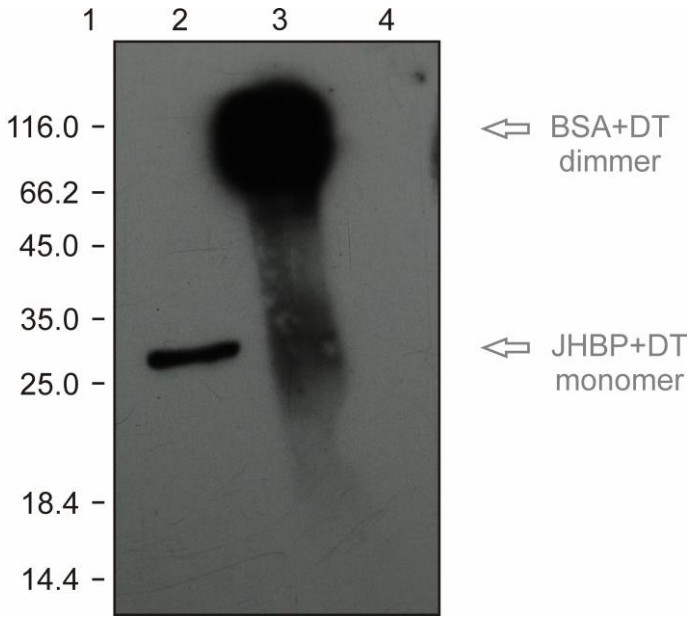


Fig. 4.

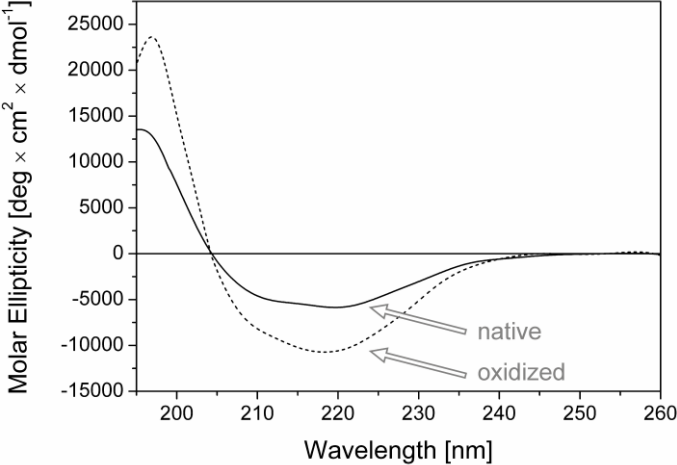


Fig. 5.

A)

SKLNLSTEP<sup>10</sup> DVSDIE<sup>20</sup>CISK ATQVFLDNT<sup>30</sup>Y QGIPE<sup>40</sup>YNIKK LDPITIPSLE<sup>50</sup>  
KSIEKINLNV<sup>60</sup> R<sup>70</sup>YNNLKVTGF KNQKISHFTL<sup>80</sup> VRDTKAVNFK<sup>90</sup> TKVNF<sup>100</sup>TAE GK  
LVIELPKSSK<sup>110</sup> T<sup>120</sup>YTGEVTIEA SAEGGAA<sup>130</sup>SY SVKTDDKGV<sup>140</sup>E H<sup>150</sup>YEAGPETVS  
EIFG<sup>160</sup>EPTLS VSSTLEDALK<sup>170</sup> LDSDFK<sup>180</sup>KIFT G<sup>190</sup>YGKQLTEGR KQTA<sup>200</sup>CRIVET  
V<sup>210</sup>YAVSVHNIR AAARILPKSA<sup>220</sup> Y<sup>220</sup>FKNV

B)

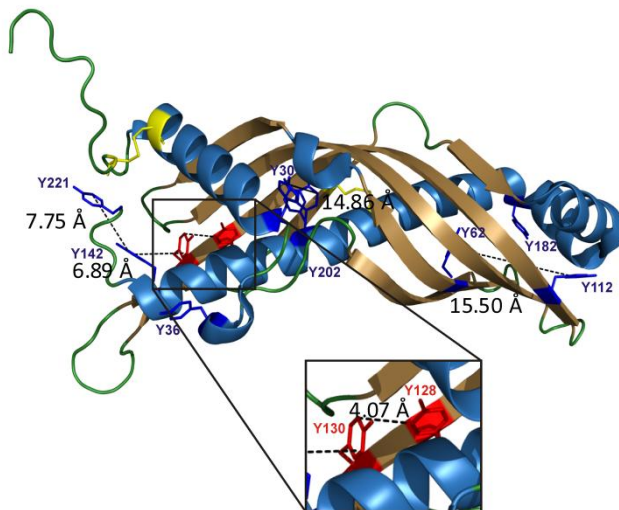


Fig. 6.

