

## 5 Abkürzungen

1D	Eindimensional
2D	Zweidimensional
aa	<i>Amino acid</i>
Abb.	Abbildung
Agp	Agrobakterienphytochrom
ALA	5-Aminolävulinsäure
AmS	Ammoniumsulfat
APC	Allophycocyanin
AtBphP	<i>Agrobacterium tumefaciens bacteriophytochrome photoreceptor</i>
AUZ	Analytische Ultrazentrifugation
BBO	<i>Broad band optimized</i>
BphP	<i>Bacterial phytochrome photoreceptor</i>
BrBphP	<i>Bradyrhizobium bacteriophytochrome photoreceptor</i>
BV	Biliverdin
CD	Circulardichroismus
CHES	N-cyclohexyl-2-aminoethansulfonsäure
Chl a	Chlorophyll a
cikA	<i>Circadian input kinase A</i> , synonym: hik24
Cph	Cyanobakterielles Phytochrom
Da	Dalton
DB	Doppelbindung
d. h.	Das heißt

DTT	Dithiothreitol
E. coli	Escherichia coli
EDTA	Ethylendiaminessigsäure
EPR-ENDOR	<i>Electron paramagnetic resonance electron-nuclear double resonance</i>
ESI-MS	<i>Electrospray ionisation mass spectroscopy</i>
evtl.	Eventuell
FR	Dunkelrot, ca. 730 nm ( <i>farred</i> )
FT-IR	Fourier-Transform Infrarot
FT-RR	Fourier-Transform Resonanzraman
griech.	Griechisch
Hik	Histidinkinase
HIR	<i>High irradiance response</i>
HMQC	<i>Heteronuclear multiple quantum coherence</i>
HO	Hämoxygenase
HOOP	<i>Hydrogen out of plane</i>
HPLC	<i>High pressure liquid pressure chromatography</i>
HY	( <i>long</i> ) Hypocotyl
i. d. R.	In der Regel
ip	<i>In plane</i>
IPTG	Isopropyl- $\beta$ -D-thiogalactosid
IR	Infrarot
ital.	Italienisch
kDa	Kilodalton

lat.	Lateinisch
L <sub>CM</sub>	<i>Core-membrane linker biliprotein</i>
LED	<i>Light emitting diode</i>
LFR	<i>Low fluency response</i>
LHC	<i>Light-harvesting complex</i>
m	Masse
Ni-NTA	Nickel-Nitriloacetic acid
NMR	<i>Nuclear magnetic resonance</i>
NOE	<i>Nuclear Overhauser effect</i>
OD	Optische Dichte
oop	<i>Out of plane</i>
ORF	<i>Open reading frame</i>
PaBphP	<i>Pseudomonas aeruginosa bacteriophytochrome photoreceptor</i>
PAS	Acronym aus den drei Proteinen, in denen diese Domäne zum ersten Mal beschrieben wurde: Per- <i>period circadian protein</i> , Arnt- <i>aryl hydrocarbon receptor</i> nuclear translocator, Sim- <i>single-minded protein</i>
PBS	Phycobilisom
P $\Phi$ B	Phytochromobilin
PC	Phycocyanin
PCB	Phycocyanobilin
PCC	<i>Pasteur culture collection</i>
PcyA	Phycocyanobilin:Ferredoxinoxidoreduktase
PE	Phycoerythrin
PEB	Phycoerythrobilin

PebA	15,16-Dihydrobiliverdin:Ferredoxinoxidoreduktase
PebB	3Z-PEB:Ferredoxinoxidoreduktase
PEC	Phycoerythrocyanin
Phy	Phytochrom
Pfr	Phytochrom dunkelrot absorbierend ( <i>phytochrome farred-absorbing</i> )
ppm	<i>Parts per million</i>
Pr	Phytochrom rot absorbierend ( <i>phytochrome red-absorbing</i> )
PTFE	Polytetrafluorethylen
PUB	Phycourobilin
PVB	Phycoviolobilin
R	Rot, ca. 660 nm
RB	<i>Rich broth</i>
Rcp	<i>Response regulator for phytochrome</i>
r.m.s.d	<i>Root mean squared deviation</i>
RpBphB	<i>Rhodopseudomonas palustris bacteriophytochrome photoreceptor</i>
RR	Resonanz-Raman
RT	Raumtemperatur
s.	Siehe
SAR	<i>Specific absorbance ratio</i>
SEC	<i>Size-exclusion chromatography</i> , Größenausschlußchromatographie
sp.	<i>Species</i>
span.	Spanisch
TCI	<i>Triple carbon inverse</i>

Tris	Tris(hydroxymethyl)aminomethan
U	Umdrehung
u. a.	Unter anderem
UV	Ultraviolett
$\bar{v}$	Partielles spezifisches Volumen
vgl.	Vergleiche
vis	<i>Visible</i>
Vit.	Vitamin
VLFR	<i>Very low fluency response</i>
Vol.	Volumen
z	Ladung
z. B.	Zum Beispiel

## 6 Abbildungen

<b>Abb. 1</b>	Strukturen freier Biline	9
<b>Abb. 2</b>	Übersicht über die Biosynthese von Tetrapyrrolen und Bilinchromophoren	11
<b>Abb. 3</b>	Schematischer Aufbau eines hemidiscoidalen PBS	15
<b>Abb. 4</b>	Schematische Darstellung der Funktion von PBS	16
<b>Abb. 5</b>	Schematischer Aufbau von Phytochrom	22
<b>Abb. 6</b>	Schwingungsspektroskopische Ergebnisse zur Chromophorstruktur	28
<b>Abb. 7</b>	Strukturhinweise durch chemisch modifizierte Chromophore	30
<b>Abb. 8</b>	Schematische Darstellung des dimerisierten Phytochrommoleküls	31
<b>Abb. 9</b>	Kulturgefäße für unmarkierte und markierte Zellen	36
<b>Abb. 10</b>	ESI-MS-Spektren von PCB	39
<b>Abb. 11</b>	HPLC-Chromatogramm von PCB	40
<b>Abb. 12</b>	Größenausschlußchromatogramm von Cph1 $\Delta$ 2 in der Pr- und der Pfr-Form	41
<b>Abb. 13</b>	Dimerisierung der Pr-Form	42
<b>Abb. 14</b>	Variation des Assoziationskoeffizienten der Pr-Form	43
<b>Abb. 15</b>	Partialkonzentration von (Cph1 $\Delta$ 2) <sub>2</sub> -Pr	44
<b>Abb. 16</b>	Massenänderung bei Phototransformation	45
<b>Abb. 17</b>	Pfr-Probe, mit der das in Abb. 18. gezeigte Experiment durchgeführt wurde	47
<b>Abb. 18</b>	Dimerisierung der Pfr-Form	47
<b>Abb. 19</b>	Simultane Bestimmung von $K_{A, Pr}$ und $K_{A, Pfr^*}$	49
<b>Abb. 20</b>	RR-Spektrum der Pr-Form, Übersicht	53
<b>Abb. 21</b>	RR-Spektrum der Pfr-Form, Übersicht	54
<b>Abb. 22</b>	Bandenanpassung an die Pfr-Form	57
<b>Abb. 23</b>	RR-Spektrum der Pr-Form von 1800-1400 cm <sup>-1</sup>	58
<b>Abb. 24</b>	RR-Spektrum der Pr-Form von 1400-900 cm <sup>-1</sup>	61
<b>Abb. 25</b>	RR-Spektrum der Pr-Form von 900-600 cm <sup>-1</sup>	64
<b>Abb. 26</b>	RR-Spektrum der Pfr-Form von 1800-1400 cm <sup>-1</sup>	67

<b>Abb. 27</b>	RR-Spektrum der Pfr-Form von 1400-900 cm <sup>-1</sup>	70
<b>Abb. 28</b>	RR-Spektrum der Pfr-Form von 900-600 cm <sup>-1</sup>	72
<b>Abb. 29</b>	Berechnete und experimentelle RR-Spektren der Pr- und Pfr-Formen	75
<b>Abb. 30</b>	Vergleich für die Pr-Form im Bereich 1800-1400 cm <sup>-1</sup>	78
<b>Abb. 31</b>	Vergleich für die Pr-Form im Bereich 1400-900 cm <sup>-1</sup>	79
<b>Abb. 32</b>	Vergleich für die Pr-Form im Bereich 900-600 cm <sup>-1</sup>	80
<b>Abb. 33</b>	Vergleich für die Pfr-Form im Bereich 1800-1400 cm <sup>-1</sup>	81
<b>Abb. 34</b>	Vergleich für die Pfr-Form im Bereich 1400-900 cm <sup>-1</sup>	82
<b>Abb. 35</b>	Vergleich für die Pfr-Form im Bereich 900-600 cm <sup>-1</sup>	83
<b>Abb. 36</b>	Eindimensionale <sup>1</sup> H-Spektren der Pr-Form, deuteriertes Protein	88
<b>Abb. 37</b>	NOE-Spektren Pr-Form, deuteriertes Protein	89
<b>Abb. 38</b>	<sup>1</sup> H- <sup>15</sup> N-HMQC nach 130 Stunden Meßzeit, Pr- und Pfr-Form	90
<b>Abb. 39</b>	1D- <sup>15</sup> N-Spektren der Pr- und Pfr-Form	91
<b>Abb. 40</b>	<sup>1</sup> H- <sup>13</sup> C-HMQC nach 45 Minuten Meßzeit	93
<b>Abb. 41</b>	<sup>1</sup> H- <sup>13</sup> C-HMQC der Pr-Form nach 70 Stunden Meßzeit	94
<b>Abb. 42</b>	Struktur von <sup>31</sup> -Cys-PCB aus der Kristallstruktur von Phycocyanin	95
<b>Abb. 43</b>	Berechnete und gemessene <sup>15</sup> N-chemische Verschiebungen von PCB	98

## 7 Tabellen

<b>Tab. 1</b>	Modellfreie Analyse der globalen Massenmittel ( $M_{w,av}$ )	46
<b>Tab. 2</b>	Vergleich der durch Kurvenanpassung bestimmten Parameter für Pr und Pfr	48
<b>Tab. 3</b>	Durch Bandenanpassung erhaltene Maxima der Pr-Form im Bereich 1800-1400 $\text{cm}^{-1}$	59
<b>Tab. 4</b>	Durch Bandenanpassung erhaltene Maxima der Pr-Form im Bereich 1400-900 $\text{cm}^{-1}$	62
<b>Tab. 5</b>	Durch Bandenanpassung erhaltene Maxima der Pr-Form im Bereich 900-600 $\text{cm}^{-1}$	65
<b>Tab. 6</b>	Durch Bandenanpassung erhaltene Maxima der Pfr-Form im Bereich 1800-1400 $\text{cm}^{-1}$	68
<b>Tab. 7</b>	Durch Bandenanpassung erhaltene Maxima der Pfr-Form im Bereich 1400-900 $\text{cm}^{-1}$	71
<b>Tab. 8</b>	Durch Bandenanpassung erhaltene Maxima der Pfr-Form im Bereich 900-600 $\text{cm}^{-1}$	73
<b>Tab. 9</b>	Mengenangaben für je 1L BG11-Medium	112
<b>Tab. 10</b>	Modenzusammensetzung für Pr	142
<b>Tab. 11</b>	Modenzusammensetzung für Pfr	143



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