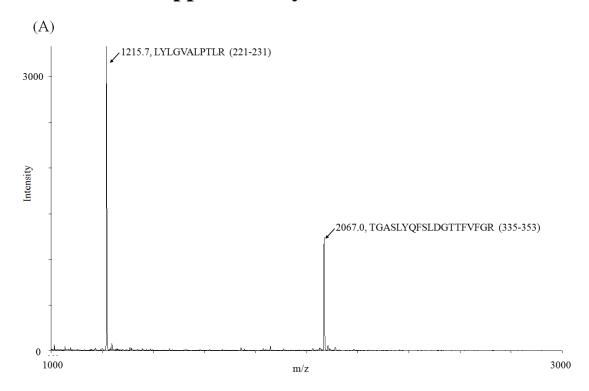
Supplementary Information



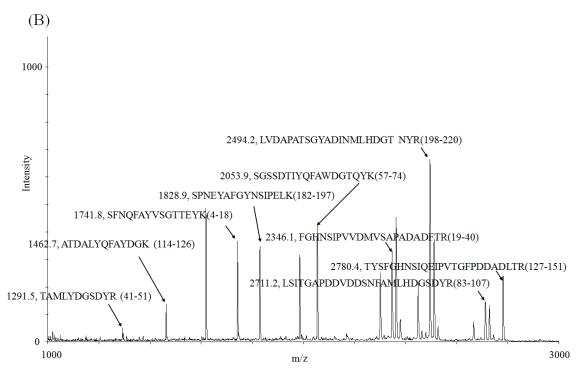


Figure S1. Cont.

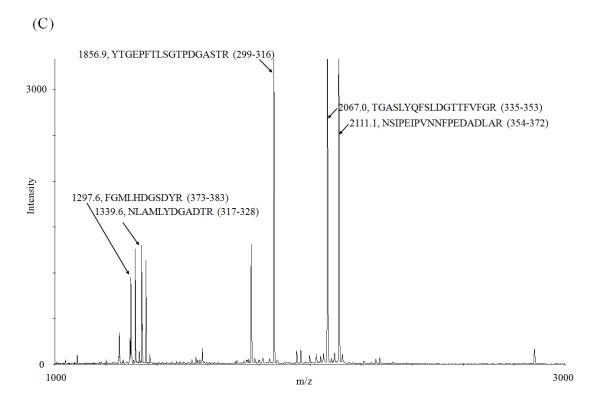


Figure S1. MALDI-TOF spectrometry. Arrows indicate matched peptide with predicted sequences (**A**) Whole protein; (**B**) rD1; (**C**) rD2.

MSRSFNQFAYVSGTTEYKFGHNSIPVVDMVSAPADADFTRTAMLYDGSDYRFYAFRSGSS
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\frac{130}{\text{FAYDGKTYSFGHNSIQEIPVTGFPDDADLTRFDMLHDGSDYRLYMRKRATDALYQ}} \\ \frac{130}{\text{FAYDGKTYSFGHNSIQEIPVTGFPDDADLTRFDMLHDGSDYRLYMRKRATDALYQ}} \\ \frac{130}{\text{FAYDGKTYSFGHNSIQEIPVTGFPDDADLTRFDMLHDGSDYRYYAPSKTDVSKLYQAAFK}} \\ \frac{130}{\text{FAYDGKTYSFGHNSIQEIPVTGFPDADLTRFDMLHDGSDYRYYAPSKTDVSKLYQAAFK}} \\ \frac{130}{FAYDGKTYSTDATABATABATABATABATABATABATABATABATABAT$
$\frac{\text{DTIYQFAWDGTQYKYGHNSIAKLSITGAPDDVDDSNFAMLHDGSDYRLYMRKRATDALYQ}}{rD3}$ $\frac{130 \qquad 140 \qquad 150 \qquad 160 \qquad 170 \qquad 18}{\dots \mid \dots \mid$
130 140 150 160 170 18 FAYDGKTYSFGHNSIQEIPVTGFPDDADLTRFDMLHDGSDYRYYAPSKTDVSKLYQAAFK
FAYDGKTYSFGHNSIQEIPVTGFPDDADLTRFDMLHDGSDYRYYAPSKTDVSKLYQAAFK
${\tt FAYDGKTYSFGHNSIQEIPVTGFPDDADLTRFDMLHDGSDYRYYAPSKTDVSKLYQAAFK}$
-
rD1 (rD3+rD4) rD4
190 200 210 220 230 24
RSPNEYAFGYNSIPELKLVDAPATSGYADINMLHDGTNYRLYLGVALPTLRQFGFNRSTS
rD4
250 260 270 280 290 30
AYQYGHDSIPEISLVDLPADTDWLRTAMCYDGQYQWFAFKAGSSDTLYKAEWNGTAYKYT
rD5
310 320 330 340 350 36
GEPFTLSGTPDGASTRNLAMLYDGADTRLYLMSRTGASLYQFSLDGTTFVFGRNSIPEIP
rD5
370 380 390 400 410 42
VNNFPEDADLARFGMLHDGSDYRFYALSRSESYKIYQGAFKRSPDEYLFGHNSIQSMPIT
430 440 450
DAPEGTPTFDFNMLHDGSTYRLYLPIQAVA
rD6

Figure S2. Amino acid sequence of Rhodobindin. Each domain was underlined (rD1-rD6).

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