

Supplementary Table 1. Summary of X-ray diffraction data and structure refinement statistics**Summary of diffraction data**

Crystal	SUVH9(134 – 650)
Beamline	BNL-X29A
Wavelength (Å)	1.2823
Space group	$P2_12_12_1$
Cell parameters	
<i>a, b, c</i> (Å)	63.7, 84.2, 99.4
Resolution (Å)	50.0-2.4 (2.49-2.40) ^a
R_{merge} (%)	10.0 (69.8)
Observed reflections	299,118
Unique reflections ($I/\sigma(I) > 0$)	21,408
Redundancy	14.0 (14.4)
Average $I/\sigma(I)$	35.0 (3.5)
Completeness (%)	98.3 (100.0)

Refinement and structure model

R factor / Free R factor (% \square)	18.7 / 22.3
Number of non-H atoms	4,008
Protein	3,794
Water	211
Zn ²⁺	3
Average B factor (Å ²)	33.9
Protein	34.0
Water	33.5
Zn ²⁺	32.3
RMS deviations	
Bond lengths (Å)	0.007
Bond angles (°)	0.961

^a Values in parentheses are for highest resolution shell.

Supplementary Table 2. Proteins identified by DRD1 IP-mass spec.

Protein	Accession	Spectra		NSAF		% of DRD1	
		Rep1	Rep2	Rep1	Rep2	Rep1	Rep2
DRD1	AT2G16390	245	245	2467.51	2737.97	100	100
DMS3	AT3G49250	115	229	2448.80	1405.46	99.24	51.33
RDM1	AT3G22680	48	28	2633.66	936.19	106.73	34.19
NRPE1	AT2G40030	45	12	203.67	33.10	8.25	1.21
NRPE2	AT3G23780	20	14	152.62	65.10	6.19	2.38
NRPE3A	AT2G15430	14	18	392.50	307.52	15.91	11.23
NRPE3B	AT2G15400	5	10	140.18	170.85	5.68	6.24
NRPE5	AT3G57080	3	0	114.98	0	4.66	0
NRPE7	AT4G14660	2	5	95.60	153.09	3.87	5.59
NRPE9A	AT3G16980	3	0	223.92	0	9.07	0
SUVH2	AT2G33290	6	3	82.43	25.12	3.34	0.92

Supplementary Table 3. List of primers.

	Primer numbers	Primer sequences from 5' to 3'
Actin	JP2699 JP2700	AGCACGGATCGAATCACATA CTCGCTGCTTCTCGAATCTT
IGN22	JP9978 JP9979	CGGGTCCTTGGACTCCTGAT TCGTGACCGGAATAATTAATGG
P6	JP10059 JP10060	GGCTTCGATAGGAAGAATGCCC GTGAAACTGCCAGATCCAAATTC
IGN5	JP6606 JP6607	TCCCGAGAAGAGTAGAACAATGCTA AAA CTGAGGTATTCCATAGCCCCTGATCC
Ta3	JP2456 JP2457	TGGAATCTCAGGGTCAAGG CCTTCTGAGGTGAGGGACA
FWAp	JP7717 JP7718	AAGAGTTATGGGCCGAAGC CGCTCGTATGAATGTTGAATG
FWAt	JP6747 JP6748	ATAAAGAGCGGCGCAAGAT CGCTCTAGGGTTTTTGCTTT
Neg control	JP3034	AGGCCCCATCTCACAATAAC
Neg control	JP3035	GTCGCCAGGTAGATTTGGTT