

SUPPLEMENTARY

Table-I: A summary of the sub-cellular localization predictions of human nuclear receptors obtained from ngLOC and Hum-mPLoc 3.0.

PREDICTION OF SUB-CELLULAR LOCALIZATION OF NUCLEAR RECEPTORS												
Name of nuclear receptor / Abbreviation	Accession ID	NRNC symbol	Human gene symbol	Prediction (ngLoc)							Prediction (Hum-mPLoc 3.0)	
				Pred 1	CS	Pred 2	CS	Pred 3	CS	MLCS	Final Pred	Final Prediction
Dosage-sensitive sex reversal, adrenal hyperplasia critical region, on chromosome X, gene 1/ DAX1	P51843	NR0B1	<i>NROB1</i>	NUC	36.32	CYT	35.01	PLA	4.334	70.4	NUC/CYT	NUC
Small heterodimer partner/ SHP	Q15466	NR0B2	<i>NROB2</i>	NUC	49.91	CYT	9.042	PLA	8.945	34.86	NUC	NUC
Thyroid hormone receptor- α / TR α	P10827	NR1A1	<i>THRA</i>	NUC	67.37	CYT	17	PLA	2.011	41.87	NUC	NUC
Thyroid hormone receptor- β / TR β	P10828	NR1A2	<i>THRB</i>	NUC	72.92	CYT	8.456	PLA	2.48	28.92	NUC	NUC
Retinoic acid receptor- α / RAR α	P10276	NR1B1	<i>RARA</i>	NUC	44.47	CYT	34.85	PLA	3.9	71.69	NUC/CYT	NUC
Retinoic acid receptor- β / RAR β	P10826	NR1B2	<i>RARB</i>	NUC	49.31	CYT	31.1	PLA	3.618	65.77	NUC/CYT	NUC
Retinoic acid receptor- γ / Rar γ	P13631	NR1B3	<i>RARG</i>	NUC	52.67	CYT	22.08	PLA	5.189	51.89	NUC	NUC
Peroxisome proliferator-activated receptor- α	Q07869	NR1C1	<i>PPARA</i>	NUC	66.86	CYT	6.502	PLA	5.23	29.08	NUC	NUC

/ PPAR α												
Peroxisome proliferator-activated receptor- β/δ / PPAR β/δ	Q03181	NR1C2	<i>PPARD</i>	NUC	62.04	CYT	7.559	PLA	4.566	31.68	NUC	NUC
Peroxisome proliferator-activated receptor- γ / PPAR γ	P37231	NR1C3	<i>PPARG</i>	NUC	74.85	CYT	4.924	PLA	2.714	23.99	NUC	NUC
Rev-erbA α / Rev-erbA α	P20393	NR1D1	<i>NR1D1</i>	NUC	23.6	CYT	14.21	PLA	12.3	34.27	NUC	NUC
Rev-erbA β / Rev-erbA β	Q14995	NR1D2	<i>NR1D2</i>	NUC	23.86	CYT	13.31	PLA	10.29	33.25	NUC	NUC
RAR-related orphan receptor- α / ROR α	P35398	NR1F1	<i>RORA</i>	NUC	48.09	CYT	10.14	PLA	5.825	36.13	NUC	NUC
RAR-related orphan receptor- β / ROR β	Q92753	NR1F2	<i>RORB</i>	NUC	31.36	CYT	12.9	PLA	7.674	36.09	NUC	NUC
RAR- related orphan receptor- γ /ROR γ	P51449	NR1F3	<i>RORC</i>	NUC	28.19	CYT	13.86	PLA	8.349	36.03	NUC	NUC
Liver X receptor- α / LXR α	Q13133	NR1H3	<i>NR1H3</i>	NUC	29.97	CYT	15.01	PLA	8.164	38.25	NUC	NUC
Liver X receptor- β / LXR β	P55055	NR1H2	<i>NR1H2</i>	NUC	24.34	CYT	15.35	PLA	13.06	36.12	NUC	NUC
Farnesoid X receptor / FXR	Q96R11	NR1H4	<i>NR1H4</i>	NUC	31.17	CYT	12.21	PLA	6.983	35.15	NUC	NUC
Vitamin D receptor / VDR	P11473	NR1I1	<i>VDR</i>	NUC	58.88	CYT	8.036	PLA	5.465	32.89	NUC	NUC
Pregnane X receptor / PXR	O75469	NR1I2	<i>NR1I2</i>	NUC	53.7	CYT	8.077	PLA	5.688	33.59	NUC	NUC

Constitutive androstane receptor / CAR	Q14994	NR1I3	<i>NR1I3</i>	NUC	26.49	CYT	14.19	PLA	9.604	35.68	NUC	NUC
Hepatocyte nuclear factor-4- α / HNF4 α	P41235	NR2A1	<i>HNF4A</i>	NUC	63.47	CYT	7.163	PLA	5.42	30.86	NUC	NUC
Hepatocyte nuclear factor-4- β / HNF4 β	Q14541	NR2A2	<i>HNF4G</i>	NUC	52.5	CYT	8.235	PLA	6.481	33.85	NUC	NUC
Retinoid X receptor- α / RXR α	P19793	NR2B1	<i>RXRA</i>	NUC	68.21	CYT	5.961	PLA	4.497	28	NUC	NUC
Retinoid X receptor- β / RXR β	P28702	NR2B2	<i>RXRB</i>	NUC	55.45	CYT	9.128	PLA	7.737	34.66	NUC	NUC
Retinoid X receptor- γ / RXR γ	P48443	NR2B3	<i>RXRG</i>	NUC	61.23	CYT	7.792	PLA	5.192	32.14	NUC	NUC
Testicular receptor 2 / TR2	P13056	NR2C1	<i>NR2C1</i>	NUC	46.48	CYT	12.57	PLA	5.473	39.03	NUC	NUC
Testicular receptor 4 / TR4	P49116	NR2C2	<i>NR2C2</i>	NUC	51.56	CYT	11.59	PLA	5.687	37.91	NUC	NUC
Homologue of Drosophila tailless gene / TLX	Q9Y466	NR2E1	<i>NR2E1</i>	NUC	23.5	CYT	11.09	EXC	10.76	30.3	NUC	NUC
Photoreceptor cell specific nuclear receptor / PNR	Q9Y5X4	NR2E3	<i>NR2E3</i>	NUC	52.89	CYT	8.081	PLA	6.701	33.65	NUC	NUC
Chicken ovalbumin upstream promoter transcription factor 1 / COUP-TF1	P10589	NR2F1	<i>NR2F1</i>	NUC	62.14	CYT	6.696	PLA	6.141	30.67	NUC	NUC
Chicken ovalbumin upstream promoter transcription factor 2 / COUP-TF2	P24468	NR2F2	<i>NR2F2</i>	NUC	64.91	CYT	6.108	PLA	5.765	29.26	NUC	NUC

V-erbA-related/ EAR-2	P10588	NR2F6	<i>NR2F6</i>	NUC	56.47	PLA	8.348	CYT	7.211	33.63	NUC	NUC
Estrogen receptor- α / ER α	P03372	NR3A1	<i>ESR1</i>	NUC	52.21	CYT	25.93	EXC	2.961	57.61	NUC	NUC
Estrogen receptor- β / Er β	Q92731	NR3A2	<i>ESR2</i>	NUC	71.48	CYT	6.884	PLA	2.988	27.74	NUC	NUC
Estrogen-related receptor- α / ERR α	P11474	NR3B1	<i>ESRRA</i>	NUC	44.45	PLA	10.56	CYT	10.1	36.37	NUC	NUC
Estrogen-related receptor- β / ERR β	O95718	NR3B2	<i>ESRRB</i>	NUC	29.65	CYT	13.18	PLA	9.775	35.78	NUC	NUC
Estrogen-related receptor- γ / ERR γ	P62508	NR3B3	<i>ESRRG</i>	NUC	31.04	CYT	12.6	PLA	8.084	35.59	NUC	NUC
Glucocorticoid receptor / GR	P04150	NR3C1	<i>NR3C1</i>	NUC	37.81	CYT	35.79	PLA	4.457	72.12	NUC/CYT	NUC
Mineralocorticoid receptor / MR	P08235	NR3C2	<i>NR3C2</i>	NUC	24.3	CYT	18.13	PLA	9.53	39.81	NUC	NUC
Progesterone receptor / PR	P06401	NR3C3	<i>PGR</i>	NUC	37.66	CYT	30.95	PLA	7.142	64.01	NUC/CYT	NUC
Androgen receptor / AR	P10275	NR3C4	<i>AR</i>	NUC	37.93	CYT	12.29	PLA	9.764	37.34	NUC	NUC
Nerve Growth Factor 1B/ Growth factor inducible immediate early gene nur 77/ NGFIB/ Nur77	P22736	NR4A1	<i>NR4A1</i>	NUC	58.11	CYT	7.629	PLA	7.125	32.55	NUC	NUC
Nuclear receptor related 1/ NURR1	P43354	NR4A2	<i>NR4A2</i>	NUC	66.59	CYT	6.681	PLA	4.172	29.37	NUC	NUC
Neuron-derived orphan receptor 1/ NOR 1	Q92570	NR4A3	<i>NR4A3</i>	NUC	36.88	CYT	14.03	PLA	10.85	39.27	NUC	NUC

Steroidogenic factor 1/ SF1	Q13285	NR5A1	<i>NR5A1</i>	NUC	59.98	CYT	7.171	PLA	5.996	31.69	NUC	NUC
Liver receptor homolog- 1/ LRH-1	O00482	NR5A2	<i>NR5A2</i>	NUC	40.51	CYT	10.02	PLA	7.897	35.13	NUC	NUC
Germ cell nuclear factor/ GCNF	Q15406	NR6A1	<i>NR6A1</i>	NUC	29.04	CYT	23.64	PLA	9.308	49.84	NUC	NUC