

# Percentage of identity

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Isodictya HSP70 A	1		68.17	54.43	41.82	86.12	83.84	84.16	69.13	82.18	82.75	83.23	82.63	80.24	81.17	73.09	81.09	81.24	81.09	81.30	80.94	80.33	77.38	77.53	77.86	77.93	76.28	71.61
Isodictya HSP70 B	2	452		54.00	42.80	66.92	67.07	67.47	75.43	69.77	70.34	71.25	71.89	70.34	69.74	63.43	68.90	69.05	68.90	69.09	70.14	68.40	71.41	71.41	70.51	69.86	69.25	73.54
Isodictya HSP70 C	3	375	358		41.46	52.53	54.24	53.85	54.82	56.32	56.11	56.55	56.89	57.46	57.23	50.80	55.72	55.87	55.72	55.82	55.38	55.07	56.85	56.55	56.63	56.35	55.56	55.72
Isodictya HSP70 D	4	304	305	296		40.80	41.95	41.60	41.90	43.47	43.47	43.60	43.85	43.06	42.82	39.51	43.19	43.33	43.05	44.02	43.66	43.33	43.93	43.65	43.16	42.92	42.82	42.32
Geodia_cyonium_Hsp70	5	571	445	363	297		81.48	82.26	67.67	80.54	80.69	81.15	80.54	79.03	79.40	71.94	79.79	79.94	79.79	80.54	79.79	79.34	76.20	74.55	74.96	75.26	73.46	68.57
Halidona_ambonensis_Hsp70	6	555	442	371	305	541		85.93	68.79	80.30	80.91	81.21	80.76	78.23	80.06	71.81	79.58	79.73	79.58	79.91	79.39	78.94	76.59	76.74	76.52	76.82	75.61	69.55
Halidona_tubifera_Hsp70	7	558	448	371	302	547	568		68.72	80.54	80.54	81.15	80.97	79.15	80.75	72.89	80.24	80.39	80.24	81.17	79.64	79.34	78.28	77.07	76.69	77.14	75.64	70.38
Xestospongia_testudinaria_Hsp70	8	459	479	364	300	450	454	457		70.43	70.23	71.15	71.43	69.97	70.54	63.79	69.91	70.06	69.91	70.20	69.92	69.56	73.15	72.22	72.27	71.72	70.81	75.55
Oncorhynchus_mykiss_HSC70	9	544	457	383	316	534	530	534	462		95.24	94.16	93.70	88.94	85.48	77.88	88.36	88.51	88.36	87.65	87.12	86.35	84.27	81.98	82.22	82.40	80.88	70.27
Danio_rio_HSC70	10	547	460	381	316	535	534	534	460	620		94.78	94.16	89.23	86.52	78.30	87.29	87.44	87.29	87.04	86.20	85.89	84.43	82.90	82.95	82.98	81.61	70.53
Bos_taurus_HSC70	11	551	466	384	317	538	536	538	466	613	617		99.23	88.33	86.99	79.24	87.29	87.44	87.29	86.89	86.18	85.89	84.43	82.60	83.87	84.35	82.67	71.45
Rattus_novegicus_HSC70	12	547	466	384	317	534	533	536	465	610	613	645		88.73	86.38	78.64	86.83	86.98	86.83	86.28	86.00	85.58	85.10	83.26	84.23	84.71	83.03	72.04
Xiphophorus_maculatus_HSC70	13	528	453	385	310	524	514	524	452	579	580	575	575		83.66	76.06	84.97	85.12	84.82	83.23	83.41	82.80	83.49	80.86	81.61	81.01	79.54	71.67
Crassostrea_gigas_HSC70	14	543	461	382	312	532	534	541	467	565	571	575	571	553		87.10	86.25	86.40	86.10	85.71	85.02	85.02	81.15	79.79	82.25	82.27	80.45	71.30
Ostrea_edulis_HSC70	15	489	418	348	288	482	479	487	421	514	516	523	519	502	574		78.21	78.37	78.21	77.71	76.97	76.82	72.70	72.10	74.20	74.09	72.73	64.85
Fenneropenaeus_chinensis_HSC70	16	536	452	380	314	529	526	532	460	577	570	570	567	554	571	517		99.85	99.54	94.82	93.40	92.33	81.40	80.95	80.85	80.76	79.39	71.58
Litopenaeus_vannamei_HSC70	17	537	453	381	315	530	527	533	461	578	571	571	568	555	572	518	651		99.89	94.97	93.56	92.48	81.55	81.10	81.00	80.91	79.55	71.73
Penaeus_monodon_HSC70	18	536	452	380	313	529	526	532	460	577	570	570	567	553	570	517	649	650		94.66	93.25	92.18	81.25	80.79	80.85	80.76	79.39	71.58
Homarus_americanus_HSC70	19	539	456	381	320	534	529	539	464	575	571	570	566	546	570	516	622	623	621		93.14	93.29	81.76	80.55	80.06	80.51	78.85	71.26
Macrobrachium_rosenbergii_HSC70	20	535	458	376	317	529	524	528	458	568	562	561	559	543	562	508	609	610	608	611		91.40	81.58	80.92	80.15	80.37	78.54	71.91
Scylla_serrata_HSC70	21	531	448	375	315	528	521	526	457	563	560	560	558	539	562	507	602	603	601	612	595		80.49	80.03	80.06	80.12	78.60	71.23
Danio_rio_HSP70	22	513	462	382	315	506	507	519	474	552	553	553	554	541	538	482	534	535	533	538	537	528		90.37	81.33	80.55	79.38	74.23
Oncorhynchus_tshawytscha_HSP70	23	514	462	380	313	495	508	511	468	537	543	541	542	524	529	478	531	532	530	530	530	525	582		80.43	79.66	78.65	74.07
Mus_musculus_HSP70	24	517	452	376	309	500	505	510	464	541	545	551	550	528	542	489	532	533	532	530	525	526	527	522		98.12	97.17	73.68
Homo_sapiens_HSP70	25	519	452	377	309	502	507	513	464	543	546	555	554	529	543	489	533	534	533	533	528	528	526	521	627		96.71	72.95
Bos_taurus_HSP70	26	508	446	370	307	490	499	503	456	533	537	544	543	517	531	480	524	525	524	522	516	518	516	512	618	618		72.36
Crassostrea_virginica_HSP70	27	476	467	370	303	456	459	468	479	461	462	468	469	463	472	428	471	472	471	471	471	468	481	480	473	472	466	

Identities