

Online resource 2. Genomic coordinates of *B7H6* and *B7HXen* in the *Xenopus* scaffolds

**B7H6**

Scaffold-707 (535,221bp)

Gene ID	Position	Protein ID	number of IgSF domains	EST <sup>1</sup>
707-1	33133-40802	101494	5	BX745260 (tadpole embryo),DN082733 (lung)+DN055944 (kidney), BX732750 (tadpole stg 35-40) etc.
707-2	45969-58046	397915	6	BX745260 (tadpole embryo)
707-3	65268-68458	184972	1	EL657887 (small intestine)
707-4	71420-96658	397890	5	BX745260 (tadpole embryo), CX888209 (testes)
707-5	123639-178327	184975	15 (2 models?: 7+8)	CX917782 (testes)
707-6	194481-225600	184976	10	CX923745 (testes) etc.
707-7	243887-259814	397873	3	CF374995 (whole body) etc.
707-8	260674-294767	184978	4	CX996494 (intestine) etc.
707-9	314966-320370	184979	1	CF374995 (whole body) etc.
707-10	368340-390340	184981	4	CX923745 (intestine) etc.
707-11	415018-421374	397947	3	CX924635 (testes), CX923745 (intestine) etc.
PLEKHA7	507910-512028	397879	-	mapps to human chromosome 11p15
RPS13	530531-531763	88655	-	mapps to human chromosome 11p15

Scaffold1420 (72,679bp)

SLC6A11	217-5750	190860	-	mapps to human chromosome 3p25.3
1420-1	34308-52814	461580	7	CX888807 (testes),CX913047 (testes),CX900575 (testes),CX888664 (testes), DN082435 (lung)

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**B7HXen**

Scaffold-1119 (167,738bp)

Gene ID	Position	Protein ID	number of IgSF domains	EST <sup>1</sup>
1119-1	7713-27883	189479	9	CX923462 (testes),CX828489 (brain),EL662685 (small intestine), CX976768 (intestine)
1119-2	43003-82565	461214	13	CX805381 (brain),CX797364 (brain),CX798692 (brain),CX795849 (brain), CX798948 (brain),
1119-3	83902-140637	189481	17	CX812473 (brain), CX923462 (testes), CX888371 (testes), CX899439 (testes), CX820566 (brain), CX828489 (brain), CX900620 (testes), EG577962 (whole embryo stg 56-62), EB475845 ( whole embryo stg 56-62), CX802600 (brain), EB484038 (spleen), CX820565 (brain), EL659223 (small intestine), CX905208 (testes), CX810694 (brain), etc.
1119-4	164692-167692	189482	2	CX923462 (testes), DN057478 (kidney), CX828489 (brain)

Scaffold-867 (337,695bp)

867-1	17572-57917	407771	8	CX842746 (brain), DN015523 (heart), EL661102(small intestine)
867-2	104292-110592	460532	4	EL655865 (small intestine),CX905130 (testes),
867-3	116712-125454	187169	4	EL699109 (Limb), CX854937 (brain), DN077598 (lung), EL661102 (small intestine)
867-4	127833-188870	460533	10	CX842746 (brain), AAI68128 (testes)
867-5	196341-211233	187171	6	DR836487 (fat body), DR834196 (fat body), CX999510 (heart), EG653999 (small intestine), DN015523 (heart), CX912262 (testes), DN059149 (fat body), etc.
867-6	265545-280100	187173	3	EG653999 (small intestine), CX912262 (testes), DN015523 (heart)
867-7	284326-296678	187174	3	DR836487 (fat body), DR834196 (fat body)
867-8	296678-312149	187174	3	CX924660 (testes), CX920068 (testes), CX915279 (testes), CX811079 (brain)
867-9	313339-322098	187174	2	CX903340 (testes), CX807560 (brain), CX886240 (testes), CX924661 (testes)
867-10	332423-336387	460534	1	CX924660 (testes), CX920068 (testes), CX915279 (testes), EL655892 (small intestine), CX811079 (brain)

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Scaffold-3534 (11,245bp)

3534-1	1894-8537	192957	3	CX828489 (brain)
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Scaffold-1318 (98,102bp)

1318-1	10875-14000	190460	1	CX995964 (intestine), CX983522 (intestine), CX979602 (intestine), CX975809 (intestine), CX979601 (intestine), CX983521 (intestine), CX995963 (intestine), CX975808 (intestine)
1318-2	14000-19000	190460	2	all ESTs in 1318-1 EL699109 (limb), DN077598 (lung), DN077598 (lung), CX854937 (brain)
1318-3	19000-34186	190460	7	EL659466, EL653181, EL663470 (small intestine)
1318-4	46075-70472	190461	5	all ESTs in 867-3; EG653270 (small intestine)

Scaffold-1146 (154,973bp)

1146-1	10125-12391	257547	3	DR879120 (skin), BX691942 (neurula), AL788752 (neurula)
1146-2	64158-76640	461287	3	DT421997 (skin), CF590382 (whole body)
1146-3	84381-101615	189674	11	CX888371 (testes), CX899439 (testes), CX812473 (brain), CX820566 (brain), CX820565 (brain), CX905130 (testes), CX802601 (brain), EL655865 (small intestine), EL655864 (small intestine), EG651995 (small intestine), EL663892 (small intestine), CX977562 (intestine), DT401525 (oviduct), EL661154 (small intestine), CX978268 (intestine), CX978268 (intestine), EL661154 (small intestine), CX810609 (brain), EG650864 (small intestine), CX974210 (intestine), EL663892 (small intestine), EL653717 (small intestine), CX978267 (intestine), etc.
1146-4	148521-151681	189677	1	DN036288 (liver), DC144455 (embryo), DR879119 (skin), DT421998 (skin), DR879120 (skin) 97%, CF590382 (whole body) 94%

Scaffold-1707 (36,085bp)

1707-1	7687-19898	191589	11	EL661154 (small intestine), CX978268 (intestine), EG651995 (intestine), CX900915 (testes), CX810609 (brain), CX974210 (intestine), EL663892 (small intestine), EL653717 (intestine), CX978267 (intestine), EL707062 (limb), CX905615 (testes), CX888370 (testes), CX900914 (testes), EL707061 (limb), CX812472 (brain),
1707-2	20880-21915	191590	1	no EST

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scaffold-1657 (40,156bp)

1657-1	13450-29812	191506	3	CX916757 (testes), DN036288 (liver), DC144455 (embryo), DR879119 (skin), DT421998 (skin), DR879120 (skin), CF590382 (whole body), CX979669 (intestine)
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Scaffold-2250 (20,541bp)

2250-1	413-9768	192194	2	DN036288 (liver), DC144455 (embryo), DR879119 (skin), DT421998 (skin), DR879120 (skin), CF590382 (whole body), CX979669 (intestine), CX916757 (testes)
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Scaffold-1405 (75,973 bp)

1405-1	9908-23896	190816	6	Same as 1318-2: EL653181 (small intestine), EL659466 (small intestine), EL663470 (small intestine), CX979602 (intestine), CX975809 (intestine), CX995963 (intestine), CX983521 (intestine), CX983522 (intestine), CX995964 (intestine), CX979601 (intestine)
1405-2	66602-75451	472810	2	EL699109 (limb), CX854937 (brain), CX854938 (brain), EL661102 (small intestine), DN077598 (lung), EG653270 (small intestine)

Scaffold-3782 (10,288 bp)

3782-1	4808-9885	193094	1	DR834196 (fat body), CX999510 (heart), DR836487 (fat body), EL674099 (thymus)
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Scaffold-4710 (8,229 bp)

4710-1	2470-7801	193353	1	CX828489 (brain), CX923462 (testes)
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<sup>1</sup> 'etc.' indicates there are many more sequences with lower than 90% nucleotide identities.