| No | Species                          | Year | Type                | Number | Density         | References                                                                 |
|----|----------------------------------|------|---------------------|--------|-----------------|-----------------------------------------------------------------------------|
| 1  | Tilapia, *Oreochromis spp*       | 1998, 2005 | AFLP, microsatellite | 1358   | 1.2-4.4 cM   | (Kocher et al. 1998; Lee et al. 2005; Guyon et al. 2012)                     |
| 2  | Rainbow trout, *O. mykiss*       | 1998 | AFLP, microsatellite | 1229   | 3.34 cM       | (Young et al. 1998; Sakamoto et al. 1999; Nichols et al. 2003; Guyomard et al. 2006; Genet et al. 2011) |
| 3  | Channel catfish, *Ictalurus punctatus* | 2001, 2003, 2009 | AFLP, SNP, microsatellite | 331    | 6.0 cM       | (Waldbieser et al. 2001; Liu et al. 2003; Kucuktas et al. 2009; Ninwichiana et al. 2012) |
| 4  | Tiger shrimp, *Penaeus monodon*   | 2002, 2010 | AFLP, microsatellite | 343    | 11.3-13.8 cM  | (Wilson et al. 2002; You et al. 2010)                                       |
| 5  | Japanese flounder, *Paralichthys olivaceus* | 2003, 2007, 2008, 2010 | AFLP, microsatellites | 1375   | 1.4-5.0 cM   | (Coimbra et al. 2003; Castano-Sanche et al. 2007; Kang et al. 2008; Castano-Sanchez et al. 2010; Song et al. 2012; Jing et al. 2013) |
| 6  | Kuruma prawn, *Penaeus japonicus* | 2003 | AFLP                | 401    | 9.7-10.7 cM   | (Li et al. 2003)                                                           |
| 7  | Estern oyster, *Crassostrea virginica Gmelin* | 2003, 2009 | AFLP, microsatellite | 282    | N/A  | (Yu and Guo 2003; Wang and Guo 2009)                                       |
| 8  | Atlantic salmon, *Salmo salar*    | 2004, 2008, 2011 | AFLP, SNP, microsatellite | 5650   | < 1 cM     | (Gilbey et al. 2004; Moen et al. 2004; Moen et al. 2008; Lien et al. 2011) |
| 9  | Arctic charr, *Salvelinus alpinus* | 2004 | AFLP, microsatellite | 326    | 3.9-9.2 cM   | (Woram et al. 2004)                                                        |
| 10 | Walking catfish, *C. acrocephalus* | 2004, 2011 | AFLP, microsatellite | 134    | 17.1 cM     | (Poompuang and Na-Nakorn 2004; Poompuang and Sukkornpong 2011)             |
| 11 | Common carp, *Cyprinus carpio*   | 2004, 2010 | AFLP, microsatellite | 719    | 7.7 cM     | (Sun and Liang 2004; Cheng et al. 2010; Zheng et al. 2011)                 |
| 12 | Pacific oyster, *Crassostrea gigas* | 2004, 2009 | AFLP, microsatellite | 88     | 10.6-13.1 cM | (Hubert and Hedgecock 2004; Li and Guo 2004; Hubert et al. 2009)           |
| 13 | Pacific white shrimp, *Litopenaeus vannamei* | 2004, 2007, 2010 | AFLP, SNP, microsatellite | 418    | > 6 cM     | (Perez et al. 2004; Alcivar-Warren et al. 2007; Zhang et al. 2007; Du et al. 2010) |
| 14 | Tiger pufferfish, *Takifugu rubripes* | 2005 | Microsatellite      | 200    | 7.1 cM     | (Kai et al. 2005)                                                         |
| 15 | European sea bass, *Dicentrarchus labrax L* | 2005, 2008 | AFLP, microsatellite | 369    | 3.7 cM     | (Chistiakov et al. 2005; Chistiakov et al. 2008)                           |
| 16 | Zhikong scallop,                  | 2005 | AFLP                | 154    | 12.3 cM     | (Li et al. 2005; Wang et al. 2005; Zhan et al. 2009)                        |
| Species/Culture | Year(s) | Methods | Loci | Map Distance (cM) | Refs |
|----------------|---------|---------|------|------------------|------|
| Chlamys farreri | 2009    | microsatellite | 217  | 2.7-4.7 cM | (Ohara et al. 2005) |
| Yellowtails, Seriola quinqueradiata and Seriola lalandi | 2005    | microsatellite | 204  | 9.7 cM | (Franch et al. 2006) |
| Sea Bream, Sparus aurata L | 2006    | microsatellite | 204  | 9.7 cM | (Franch et al. 2006) |
| Brown trout, S. ruba | 2006    | microsatellite | 301  | 1-3 cM | (Gharbi et al. 2006) |
| Marine shrimp, Penaeus Fenneropenaeus chinensis | 2006, 2008, 2011 | AFLP, RAPD, microsatellite | 471  | 11.0-13.5 cM | (Li et al. 2006; Tian et al. 2008; Liu et al. 2010) |
| Blacklip abalone, Haliotis rubra | 2006    | microsatellite | 122  | 7.3-9.8 cM | (Baranski et al. 2006) |
| Pacific abalone, Haliotis discus hannai Ino | 2006    | AFLP, RAPD, microsatellite | 180  | 4.7-6.3 cM | (Liu et al. 2006; Sekino and Hara 2007) |
| Sea urchin, Strongylocentrotus Spp | 2006    | AFLP | 194  | 7.1 cM | (Zhou et al. 2006) |
| Asian seabass, L. calcarifer | 2007, 2011 | SNP, Microsatellites | 793  | 3.4 cM | (Wang et al. 2007; Guo et al. 2012) |
| Amago salmon, O. masou ishikawae | 2007, 2011 | AFLP, microsatellite | N/A  | N/A | (Hara et al. 2007) |
| silver carp (H. olitrix) and bighead carp (A. nobilis) | 2007, 2010 | AFLP, microsatellite | 483  | <5 cM | (Liao et al. 2007; Zhang et al. 2010) |
| Turbot, Scophthalmus maximus | 2007, 2010 | AFLP, microsatellite | 245  | 6.5 cM | (Bouza et al. 2007; Ruan et al. 2010) |
| Large yellow croaker, Pseudosciaena crocea | 2007    | AFLP, microsatellite | 375  | >9 cM | (Ning et al. 2007) |
| Atlantic halibut, Hippoglossus hippoglossus | 2007    | AFLP, microsatellite | 604  | 3.5-4.2 cM | (Reid et al. 2007) |
| European flat oyster, Ostrea edulis L | 2007    | AFLP, microsatellite | 241  | 4.2-4.9 cM | (Lallias et al. 2007) |
| Bay scallop, Argopecten irradians | 2007    | AFLP, microsatellite | 380  | 7.0-7.2 cM | (Qin et al. 2007) |
| Coho salmon, Oncorhynchus kisutch | 2008    | AFLP, microsatellite | 281  | N/A | (McClelland and Naish 2008) |
| Lach, Misgurnus, anguillicaudatus | 2008    | AFLP, microsatellite | 159  | >5 cM | (Morishima et al. 2008) |
| Japanese scallop, Patinopecten yessoensis | 2008    | AFLP, microsatellite | 413  | 14.7-15.6 cM | (Xu et al. 2008) |
| Pearl oyster, 2009 | AFLP, microsatellite | 230  | 14.9- | (Shi et al. 2009) |
| Reference | Organism | Year | Method | Microsatellite | SNP | cM | Reference |
|-----------|----------|------|--------|----------------|-----|-----|-----------|
| 36 | *Pinctada martensii* Dunker | 2009 | | microsatellite | AFLP | 505 | 16.1 cM | (Li et al. 2009) |
| 37 | *Apostichopus japonicus* | 2009 | | microsatellite | AFLP | 790 | 7.9-9.3 cM | (Tripathi et al. 2009) |
| 38 | *Half-smooth tongue sole, Cynoglossus semilaevis* | 2009 | | microsatellite | AFLP | 325 | 8.4 cM | (Liao et al. 2009, Jing et al. 2013) |
| 39 | *Cichlid fish, Astatotilapia burtoni* | 2009 | | Microsatellite, SNP | Microsatellite, SNP | 204 | 6.1 cM | (Sanetra et al. 2009) |
| 40 | *Grass carp, C. idella* | 2010 | | SNP, microsatellite | Microsatellite | 279 | 4.2 cM | (Xia et al. 2010) |
| 41 | *Red drum, Sciaenops ocellatus* | 2010 | | Microsatellite | Microsatellite | 237 | 6.03 cM | (Portnoy et al. 2010) |
| 42 | *Abalone, Haliotis, diversicolor Reeve* | 2010 | | | AFLP | 412 | 25.0-25.7 cM | (Shi et al. 2010) |
| 43 | *Japanese eel, Anguilla japonica* | 2011 | | | AFLP, microsatellite | 319 | 6.3-7.2 cM | (Nomura et al. 2011) |
| 44 | *Pacific lion-paw scallop, Nodipecten subnodosus* | 2012 | | | AFLP, microsatellite | 320 | 3.8 cM | (Petersen et al. 2012) |
| 45 | *Striped bass, Morone saxatilis* | 2012 | | | Microsatellite | 287 | 5.78 cM | (Liu et al. 2012) |

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