

What is claimed is:

1. A transgenic Barb comprising a chromosomally integrated expression cassette encoding a fluorescent protein, wherein the Barb comprises the “Orange Barb 1 transformation event,” sperm comprising the Orange Barb 1 transformation event
5 having been deposited at the ATCC as deposit no. PTA-126571.
2. The transgenic Barb of claim 1, further defined as a fertile, transgenic Barb.
3. The transgenic Barb of claim 1, wherein the fish is homozygous for the integrated expression cassette.
4. The transgenic Barb of claim 1, wherein the fish is heterozygous for the
10 integrated expression cassette.
5. A method of providing a transgenic Barb to the ornamental fish market, comprising obtaining a transgenic Barb in accordance with claim 1, and distributing the fish to the ornamental fish market.
6. The method of claim 5, wherein the fish are distributed by a grower to a
15 commercial distributor.
7. The method of claim 5, wherein the fish are distributed by a grower or a commercial distributor to a retailer.
8. The method of claim 7, wherein the retailer is a multi-product retailer having an ornamental fish department.
- 20 9. A method of producing a transgenic Barb comprising:

(a) obtaining a Barb that comprises a chromosomally integrated expression cassette encoding a fluorescent protein, wherein the Barb comprises the “Orange Barb 1

transformation event,” sperm comprising the Orange Barb 1 transformation event having been deposited at the ATCC as deposit no. PTA-126571; and

(b) breeding the obtained Barb with a second Barb to provide a transgenic Barb comprising the Orange Barb 1 transformation event.

5 10. The method of claim 9, wherein the second Barb is a non-transgenic Barb.

11. A progeny of a transgenic Barb of claim 1 that comprises a chromosomally integrated expression cassette encoding a fluorescent protein, wherein the Barb and progeny exhibit fluorescence and comprise the “Orange Barb 1 transformation event,” sperm comprising the Orange Barb 1 transformation event having been deposited at
10 the ATCC as deposit no. PTA-126571.

12. The progeny fish of claim 11, further defined as a fertile, transgenic Barb.

13. The progeny fish of claim 11, wherein the fish is homozygous for the integrated expression cassette.

14. The progeny fish of claim 11, wherein the fish is heterozygous for the
15 integrated expression cassette.

15. A method of providing a transgenic fish to the ornamental fish market, comprising obtaining a progeny fish in accordance with claim 11, and distributing the fish to the ornamental fish market.

16. The method of claim 15, wherein the fish are distributed by a grower to a
20 commercial distributor.

17. The method of claim 16, wherein the fish are distributed by a grower or a commercial distributor to a retailer.

18. The method of claim 17, wherein the retailer is a multi-product retailer having an ornamental fish department.

19. A method of producing a transgenic fish comprising:

(a) obtaining a transgenic fish in accordance with claim 11; and

5 (b) breeding the obtained fish with a second fish to provide a transgenic fish comprising the Orange Barb 1 transformation event.

20. The method of claim 19, wherein the second fish is a non-transgenic fish.

10 ~~21. A transgenic Barb comprising a chromosomally integrated expression cassette encoding a fluorescent protein, wherein the Barb comprises the "Purple Barb 1 transformation event," sperm comprising the Purple Barb 1 transformation event having been deposited at the ATCC as deposit no. PTA-126570.~~

~~22. The transgenic Barb of claim 21, further defined as a fertile, transgenic Barb.~~

~~23. The transgenic Barb of claim 21, wherein the fish is homozygous for the integrated expression cassette.~~

15 ~~24. The transgenic Barb of claim 21, wherein the fish is heterozygous for the integrated expression cassette.~~

~~25. A method of providing a transgenic Barb to the ornamental fish market, comprising obtaining a transgenic Barb in accordance with claim 21, and distributing the fish to the ornamental fish market.~~

20 ~~26. The method of claim 25, wherein the fish are distributed by a grower to a commercial distributor.~~

~~27. The method of claim 25, wherein the fish are distributed by a grower or a commercial distributor to a retailer.~~

28. — ~~The method of claim 27, wherein the retailer is a multi-product retailer having an ornamental fish department.~~

29. — ~~A method of producing a transgenic Barb comprising:~~

5 ~~(a) obtaining a Barb that comprises a chromosomally integrated expression cassette encoding a fluorescent protein, wherein the Barb comprises the “Purple Barb 1 transformation event,” sperm comprising the Purple Barb 1 transformation event having been deposited at the ATCC as deposit no. PTA 126570; and~~

~~(b) breeding the obtained Barb with a second Barb to provide a transgenic Barb comprising the Purple Barb 1 transformation event.~~

10 30. — ~~The method of claim 29, wherein the second Barb is a non-transgenic Barb.~~

~~31. — A progeny of a transgenic Barb of claim 21 that comprises a chromosomally integrated expression cassette encoding a fluorescent protein, wherein the Barb and progeny exhibit fluorescence and comprise the “Purple Barb 1 transformation event,” sperm comprising the Purple Barb 1 transformation event having been deposited at~~
15 ~~the ATCC as deposit no. PTA 126570.~~

~~32. — The progeny fish of claim 31, further defined as a fertile, transgenic Barb.~~

~~33. — The progeny fish of claim 31, wherein the fish is homozygous for the integrated expression cassette.~~

20 ~~34. — The progeny fish of claim 31, wherein the fish is heterozygous for the integrated expression cassette.~~

~~35. — A method of providing a transgenic fish to the ornamental fish market, comprising obtaining a progeny fish in accordance with claim 31, and distributing the fish to the ornamental fish market.~~

~~36. The method of claim 35, wherein the fish are distributed by a grower to a commercial distributor.~~

~~37. The method of claim 36, wherein the fish are distributed by a grower or a commercial distributor to a retailer.~~

5 ~~38. The method of claim 37, wherein the retailer is a multi product retailer having an ornamental fish department.~~

~~39. A method of producing a transgenic fish comprising:~~

~~—— (a) obtaining a transgenic fish in accordance with claim 31; and~~

~~—— (b) breeding the obtained fish with a second fish to provide a transgenic fish~~
10 ~~comprising the Purple Barb 1 transformation event.~~

~~40. The method of claim 39, wherein the second fish is a non-transgenic fish.~~