Vote A : Cattle Breeding Applications

Here are five traits in cattle which could be improved by breeding. How important (or acceptable) are they (1-5)?

Mark an X in one box in each column	**1. Production efficiency** Improving how efficiently cattle use feed for growth and milk production	**2. Better disease resistance** Breeding cows to be more resistant to common diseases. This may also mean giving them less antibiotics.	**3. Reduced methane emissions** Breeding for cows that emit less methane, to reduce the agricultural impact of global warming	**4. Increasing a cow's productive lifetime** Selecting dairy cows that have a better fertility, less lameness and good health while having high milk yields	**5. Adapted to different types of environment** Focusing on factors to make future cattle more adapted to different local and climatic environments.
Very important					
Quite important					
Don't know					
A little					
Not important					
Not acceptable					
Cattle breeders can't give equal weight to *all* traits. How would you rank these traits in order of importance (1 = lowest, 5 = highest)?					
Ranking					
If you would like to, say why you made your choices or rankings in your own words					

Vote B: Cattle Breeding Ethical Questions

What is your opinion on the following three questions (6-8)?

6. Moral Limits Are there moral limits to how far we should adapt cattle by breeding for our own purposes? If so where would you want an ethical line drawn?	
7. Elite or Robust cattle? Should we aim to breed elite highly productive cattle, which depend on stable conditions, or aim for less efficient cattle more robust to varied situations?	
8. Genome editing Is it a good idea to use genomic information in cattle to make desirable changes quickly by genome editing, instead of slowly by cross-breeding?	

Vote C: What price are you willing to pay (if any)?

How much extra would you be willing to pay for foods produced using improvements to cattle traits that would make milk or beef more 'ethical', if they also were more expensive (9-12)?

Mark X in one percentage box per question	**9. With lower cattle methane emissions**				**10. Produced from healthier cattle**				**11. With more disease resistant cattle**				**12. From pasture fed cattle**			
	0	2%	10%	25%	0	2%	10%	25%	0	2%	10%	25%	0	2%	10%	25%
Steak (a special meal)																
Minced beef																
Milk																
A special cheese																