

# Results



|                  | Audfprint | Panako | Olaf   | NeuralFP* | NeuralFP-spc |
|------------------|-----------|--------|--------|-----------|--------------|
| No_SS            | 2.08%     | 6.43%  | 4.94%  | 41.80%    | 12.90%       |
| Moises           | +13.52%   | +4.26% | +4.45% | +5.26%    | +16.03%      |
| Demucs           | +13.25%   | +2.13% | +2.92% | +3.50%    | +13.34%      |
| MRX              | +10.88%   | +1.97% | +2.45% | +1.11%    | +11.25%      |
| UMX              | +10.16%   | +1.86% | +2.05% | -0.38%    | +10.04%      |
| UNetAtt_sharp    | +9.58%    | +1.22% | +1.93% | -1.16%    | +8.86%       |
| Dwave            | +9.42%    | +1.01% | +1.39% | -1.81%    | +8.43%       |
| UNetAtt_flat     | +9.30%    | +0.75% | +1.27% | -1.93%    | +7.45%       |
| UNet_large_sharp | +8.62%    | +0.43% | +1.19% | -4.48%    | +7.20%       |
| Denoiser         | +8.35%    | +0.39% | +1.12% | -5.74%    | +6.79%       |
| USS              | +7.92%    | -0.02% | +1.02% | -11.89%   | +5.33%       |
| UNet_sharp       | +7.80%    | -0.60% | +0.58% | -12.11%   | +4.75%       |
| UNet_flat        | +7.47%    | -1.58% | -0.09% | -13.85%   | +2.88%       |
| Spleeter         | +7.43%    | -1.59% | -0.23% | -16.11%   | +2.72%       |
| WaveUNet         | +3.01%    | -4.86% | -1.44% | -17.90%   | -0.84%       |
| WaveUNet_sharp   | +2.65%    | -5.12% | -4.36% | -28.02%   | -8.19%       |
| XUMX             | +2.25%    | -5.12% | -3.13% | -37.57%   | -10.76%      |

# Conclusion

- Source separation helps somehow to identify more background music