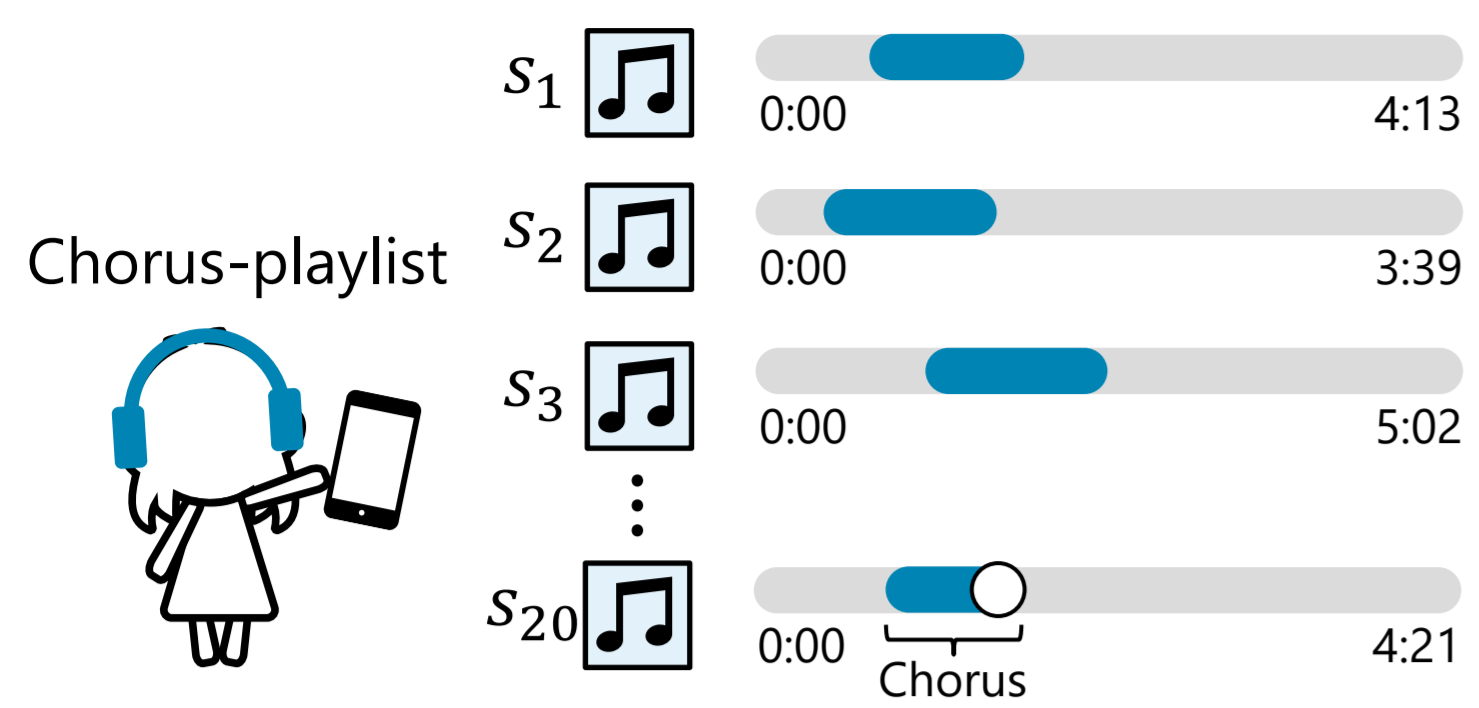


Chorus-Playlist: Exploring the Impact of Listening to Only Choruses in a Playlist

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- Goal: reveal the usefulness of chorus-playlist and provide reusable insights
- Approach: online user survey with 214 subjects



We have made the survey results publicly available on GitHub to support future studies

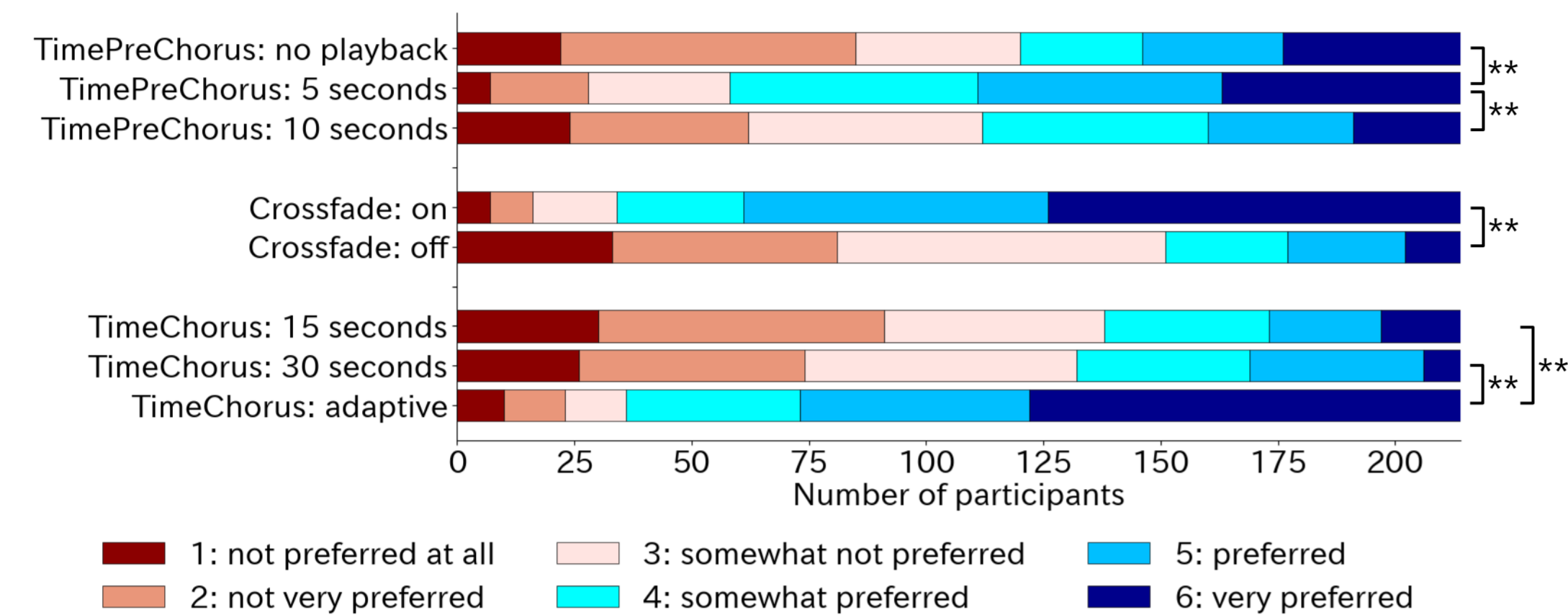
TimePreChorus
10 seconds

Crossfade
on

TimeChorus
30 seconds



RQ 1 Preferences for chorus playback in chorus-playlist in terms of TimePreChorus, Crossfade, and TimeChorus



TimePreChorus: **5 seconds**
Crossfade: **on**
TimeChorus: **adaptive**

are statistically significantly preferred

RQ 2 Demand for listening to self-made playlists and others' playlists with chorus-playlist



75.2% for self-made playlists answered "very willing," "willing," or "somewhat willing"

82.7% for other's playlists

RQ 3 Purposes for listening to self-made playlists and others' playlists with chorus-playlist

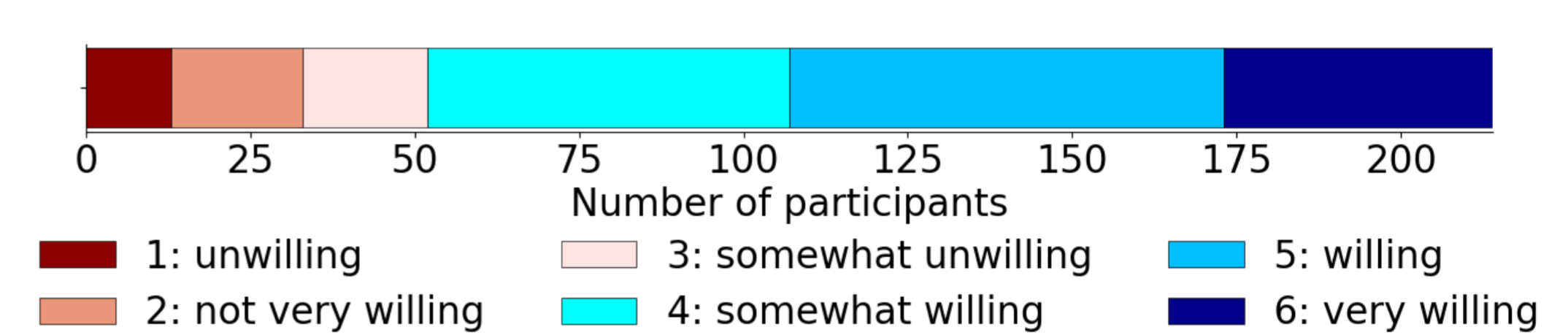
Rank	Self-made playlist
1	Boost a mood (79)
2	Listen to a playlist in a specific context (68)
3	Listen to a playlist within a limited time (46)
4	Recommend my favorite songs to others (36)
5	Explore desired songs (35)
6	Listen to many songs (23)
7	Listen to various songs (20)
8	Recall songs listened to in the past (19)
9	Listen to only the choruses of my favorite songs (18)
10	Sing songs in a playlist (12)

- 1st: recommend songs that are **suitable for boosting a user's mood**
- 4th: encourage people to **interact with others through music**

Rank	Others' playlist
1	Find unfamiliar songs that suit my preference (109)
2	Listen to hit songs (48)
3	Learn other people's music preferences (44)
4	Listen to songs by unfamiliar artists (37)
5	Listen to songs in unfamiliar genres (26)
6	Preview a playlist (18)
7	Listen to a playlist in a specific context (13)
8	Refer to a playlist for creating my playlists (12)
9	Listen to a playlist for a change of pace (9)
10	Boost a mood (6)

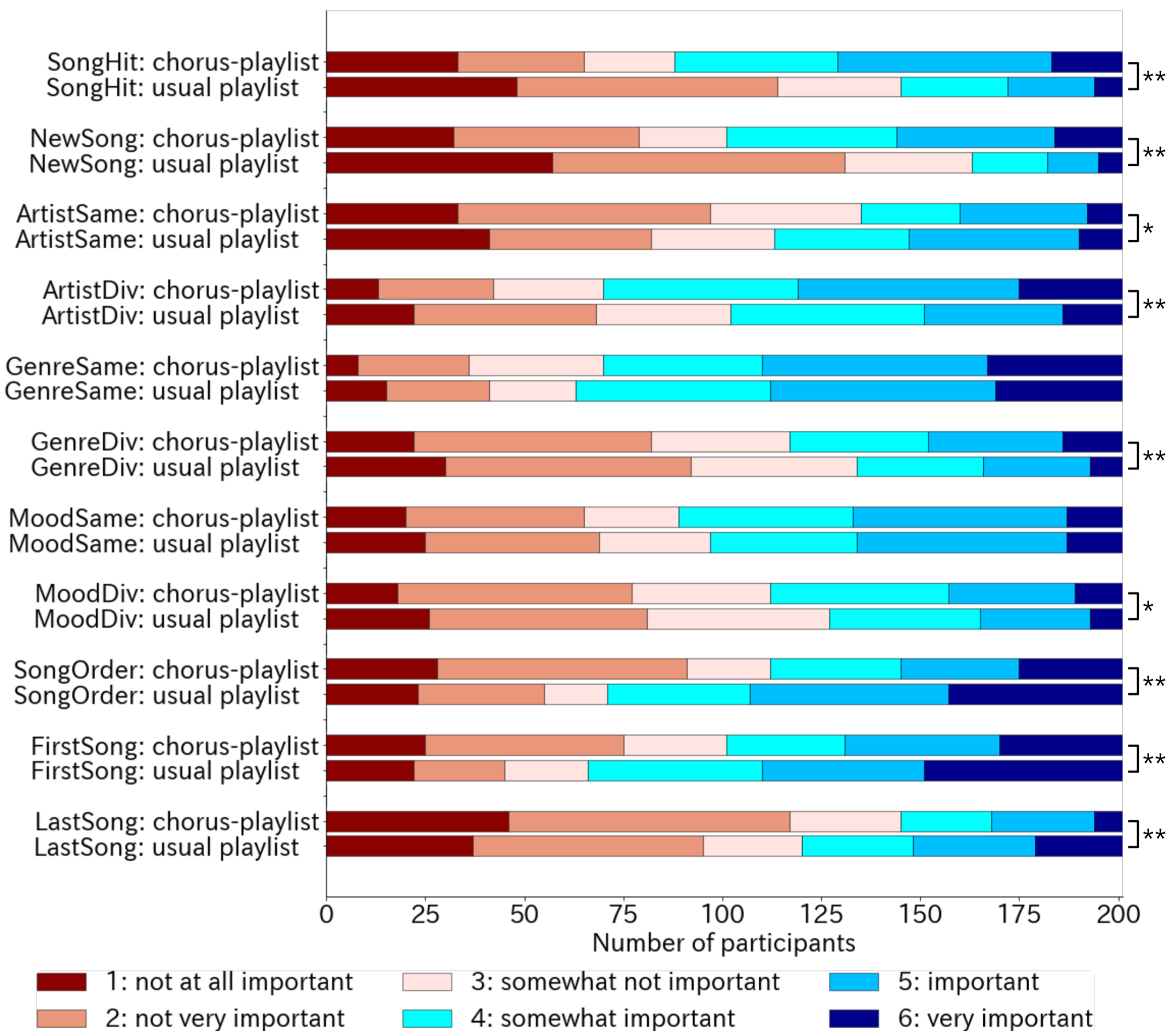
- 1st, 2nd, 4th, 5th: **strong demand for listening to unfamiliar songs**
- Provide playlists consisting of such songs on a music streaming service

RQ 4 Demand for creating a playlist on the premise of continuous listening to only the choruses of the songs



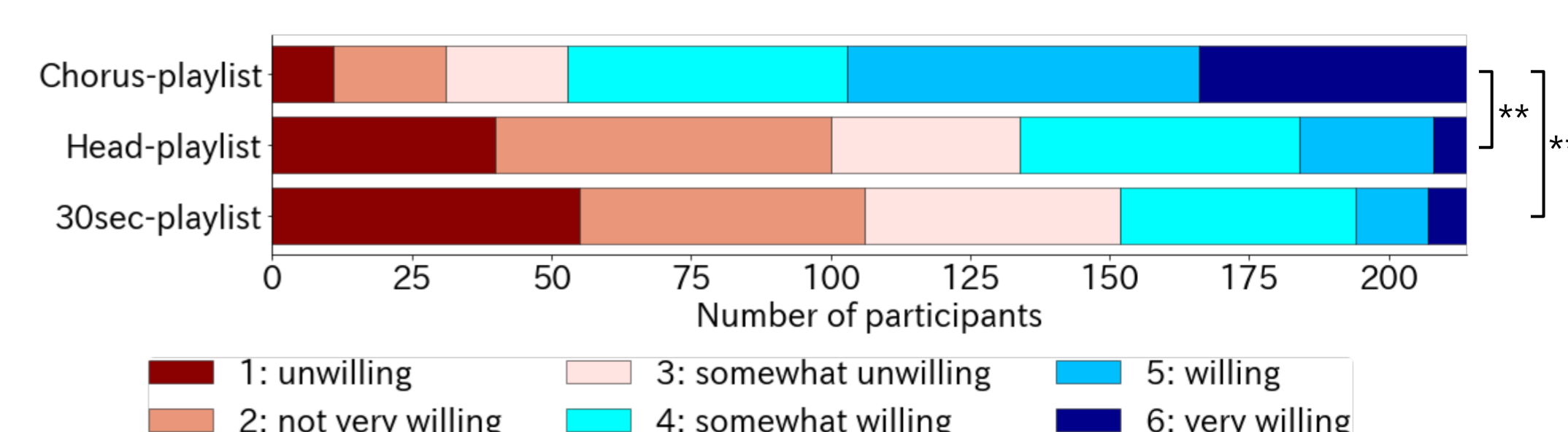
- **75.7% subjects** answered "very willing," "willing," or "somewhat willing"
- Only 6.07% subjects answered "unwilling"

RQ 5 Important properties (song popularity, artist diversity, song order, etc.) for creating a chorus-playlist



- Among the 11 properties, statistical differences between two playlist types were observed for **nine properties**
- People tend to **emphasize different properties when creating a chorus-playlist** compared to creating a usual playlist
- Although most methods for recommending songs to playlists focus on the song order, **it is less important in creating chorus-playlists**
- In usual playlists, the diversities of artists and genres tend to be low. However, to support users creating chorus-playlists, it is important to **recommend songs to diversify artists, genres, and moods**

RQ 6 Comparison of preferences with other playback methods: head-playlist and 30sec-playlist



- Chorus-playlist is statistically significantly preferred
- It is not enough to play any part of the songs in a playlist continuously; **it is important for users to be able to play choruses continuously**